MWM

MULTIPLE WAYS MULTIPLICATION

A Comprehensive Multiplication Program

The Positive Engagement Project

Making a difference...not a dollar.

MWM MULTIPLE WAYS MULTIPLICATION

The Positive Engagement Project recognizes that every person who knows how to multiply quickly in their head has an advantage over those who can't. Multiplication automaticity is an essential life skill. A major problem in schools today is that many students enter 5th grade lacking the basic multiplication fluency skills needed to solve complex math concepts, and the struggle to solve these problems may restrict them from enjoying mathematics.

Learning your multiplication tables ensures that you can compute quickly and accurately and frees your mind to tackle more complex operations and concepts.

We cannot go through life hoping that a calculator will be handy every time we need to multiply two numbers or figure out a discount on a sale item or determine whether we've been overcharged for 12 gallons of gas at $3.95 a gallon.

Multiple Ways Multiplication (MWM) is set up for students to build on their multiplication fluency with a variety of different activities. Our activities vary from backwards thinking to mental multiplication to answering word problems three different ways. We have multiple versions of each activity for multiplication facts two through twelve. We will give a brief description of each activity and then explain how to use them all in the MWM program.

What is Mental Multiplication?

Mental Multiplication is an activity that you do whole group. This is a great whole group activity because you can have students at different stages in multiplication, but still play the game the same way.

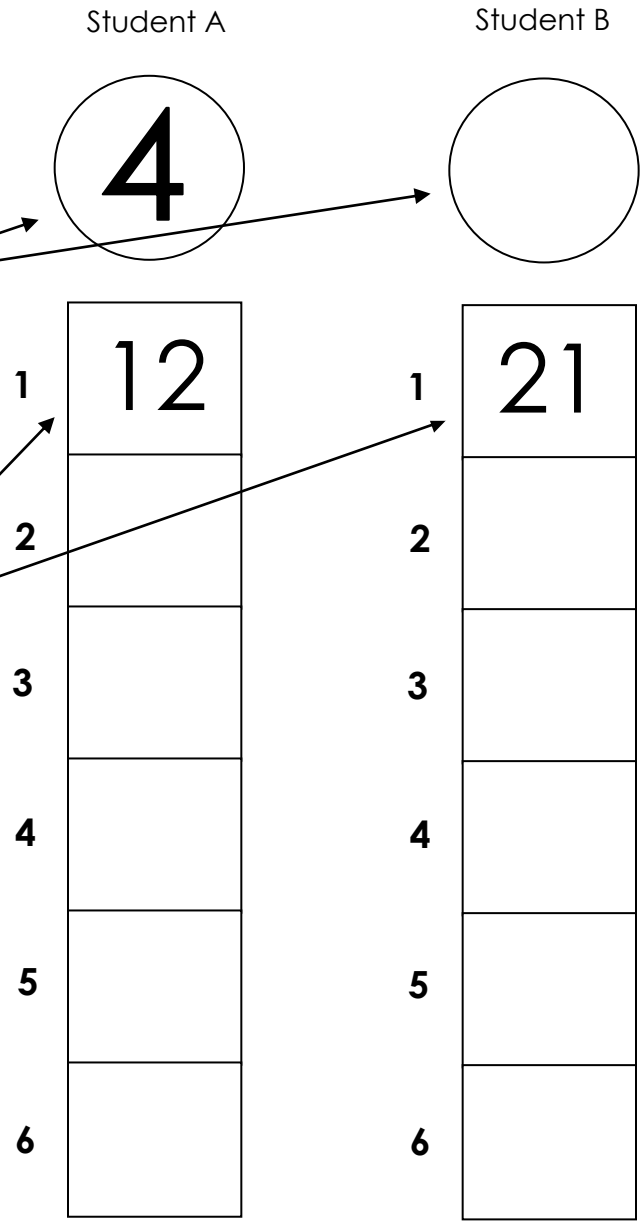
Each student gets the Mental Multiplication game board.

The teacher writes the number in the circle….that number is used to multiply with what the teacher says. Notice how Student A is multiplying by 4, while Student B is multiplying by 7.

The teacher will then say, "Times three." The student will perform that task in the first box.

Teacher gives a couple of seconds, then moves on to the next mental multiplication problem.

If a student isn't ready to move on, they must leave that box empty.

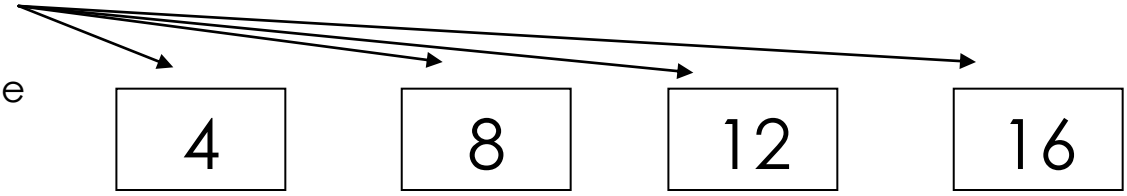


As you can see, this is a fast paced game that allows students to be on different numbers, but perform the same task asked by the teacher.

What is Find The Factors?

Find The Factors is an individual activity that has students show as many ways to make a certain product. Lines are provided to give the students a hint to how many options there is.

In this example, the student is working on 4s.



4	8	12	16
1 x 4	1 x 8	_____	_____
4 x 1	8 x 1	_____	_____
2 x 2	2 x 4	_____	_____
	4 x 2	_____	_____
		_____	_____
		_____	

The student writes down all of the ways to make 4 and 8 via multiplication.

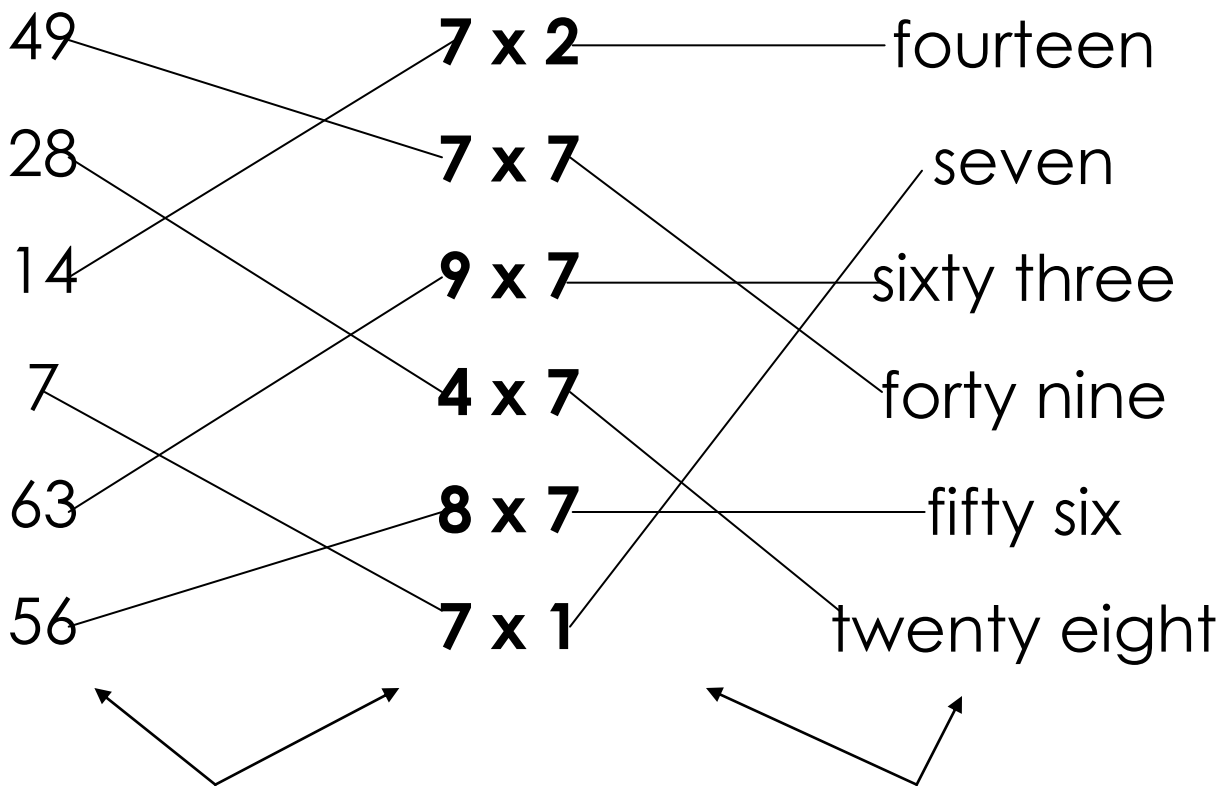
The student continues all the way through the fours (up to 48)

In this activity, students are working on their ability to see the multiple ways to make each of the products.

**For certain numbers that require a factor larger than twelve, there will be a box instead of a line to show the students that they may not know this one…examples 2 x 24 or 3 x 16. We encourage them to try to solve it, but boxed answers aren't mandatory to be completed.*

What is Multiplication Match?

Multiplication Match is an individual activity that has students match an expression with two different forms of an answer: one in standard form and the other in word form.



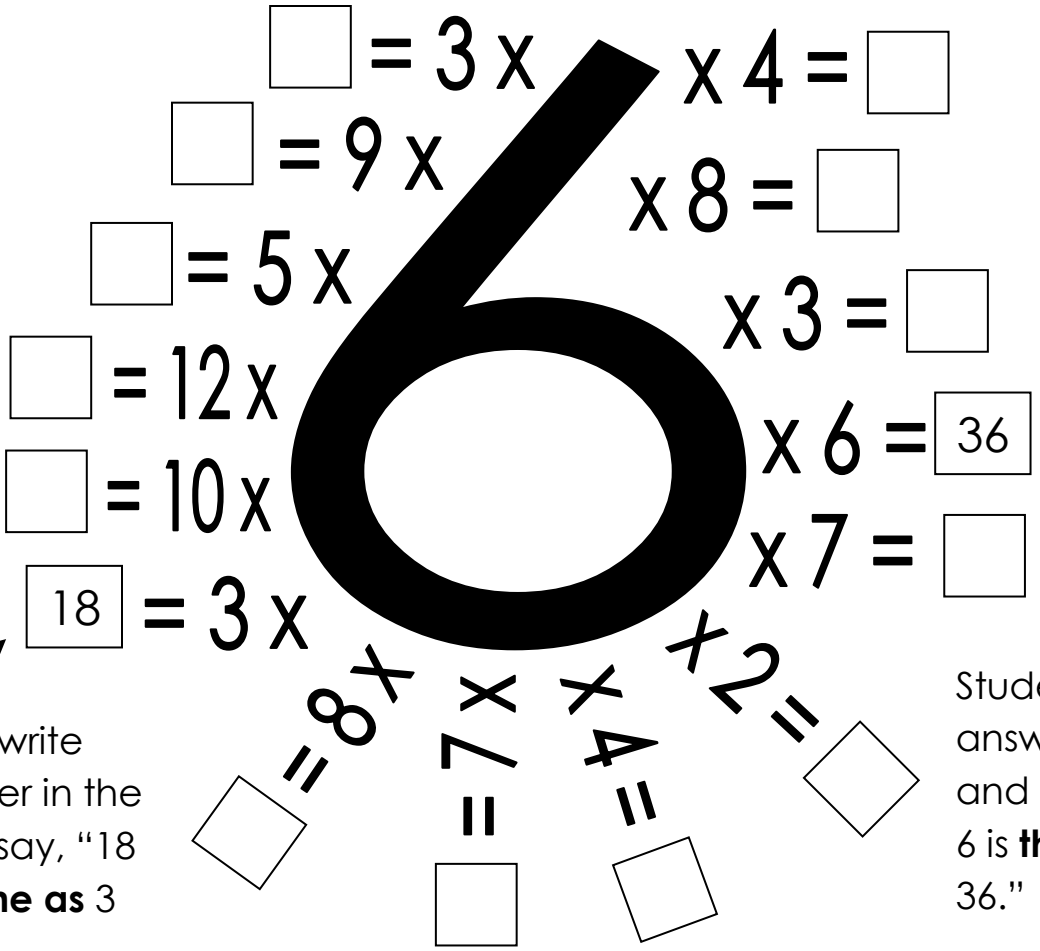
Students match the standard form answer to the expression.

Students then match the expression to a word form answer.

The beauty of this activity is that the students are getting exposure to 7 x 2 two different times in two different ways (standard and word form).

What is Left-Right Write?

The purpose of this activity is to see that it doesn't matter which direction a multiplication problem is written or read. For some reason, students get highly distracted when they see a problem like this: 36 = 6 x 6. Left-Right Write let's students practice their multiplication on both the left and right sides of the equal sign!



Students write the answer in the box and say, "18 is **the same as** 3 times 6."

Students write the answer in the box and say, "6 times 6 is **the same as** 36."

Left-Right Write functions even better if we have our students read the equation as they fill in their completed products. If we can get our kids to see that an equal sign literally means "the same as" then we can make significant strides in clearing up any distractions they have when expressions are written from a different direction.

What is Answer-Answer-Answer?

Answer-Answer-Answer is when a student takes a word problem and answers it three different ways. Keep in mind that these word problems are very contrived and the multiplication problem and solution are more than on the surface, but that's okay…that's what we want. In this activity, students are to answer a word problem numerically, in a complete sentence, and finally with a visual.

Word Problem	**Numeric Answer**	**Answer**
Jennifer has 5 boxes of crayons. If each box held 8 crayons, how many crayons does Jennifer have?	5 x 8 = 40	
	Complete Sentence Answer	**Answer**
	Jennifer has 40 crayons.	
	Visual Answer	**Answer**
		

Students can also write the number 8 instead of the tally marks.

The purpose of Answer-Answer-Answer is to get our students to not only learn multiplication, but to see how all three of the answers represent the same product.

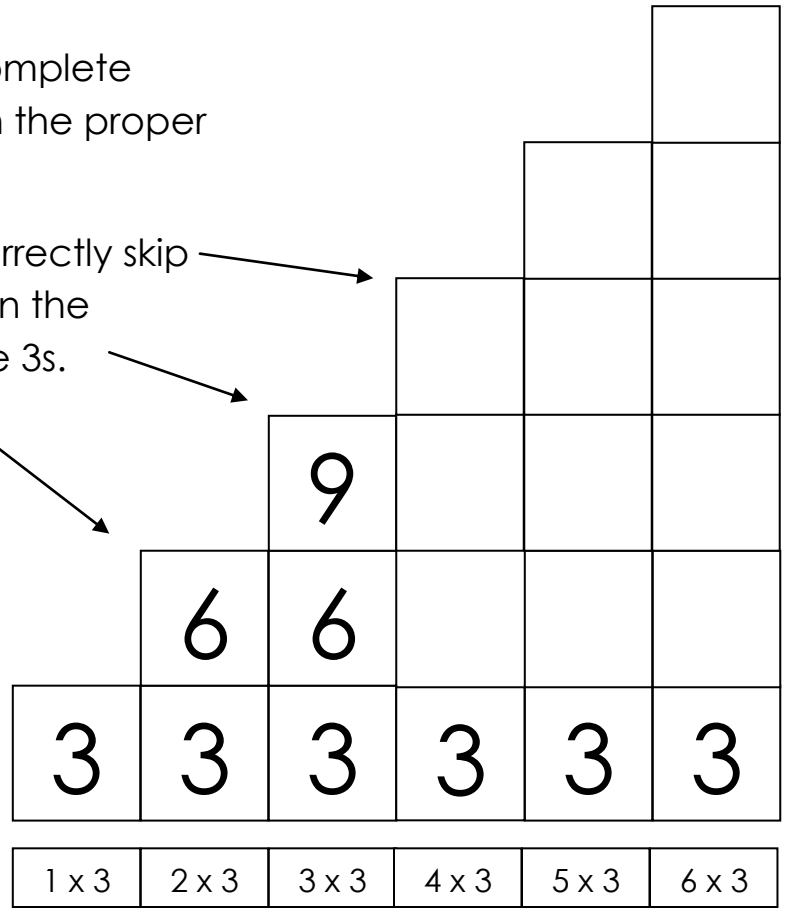
This activity allows students to see the written numeric answer…not shocking; this is what they're the most use to. It also has them use the answer in a complete sentence. Many assessments use words and numbers for answers in word problems. Finally, the visual answer lets the student put the word problem into a non-linguistic form that assists them with their understanding of multiplication.

What is Stair Steps?

Stair Steps is a fun way for students to work on both their multiplication and skip counting.

It's the student's task to complete each of the stair steps with the proper numbers.

This is accomplished by correctly skip counting by the number on the bottom, in this case, by the 3s.



We give the students the first number of each series and a multiplication problem for reference.

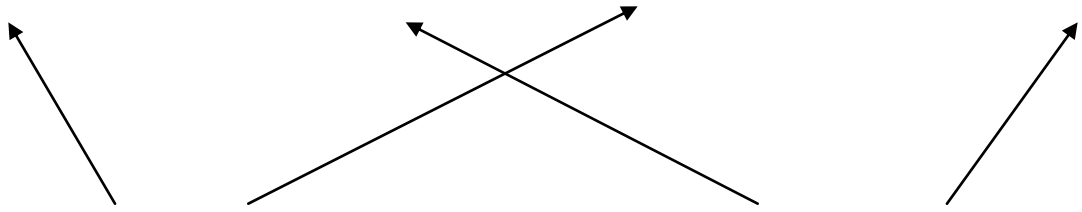
This expression states that there are three groups of three.

Stair Steps is a great activity to reinforce skip counting and how that skill relates to multiplication. The harder version of this activity is not to have the stair steps in ascending order. You can decide what version your students use. Mix it up and differentiate for your students which version is used.

What is Talk The Talk?

Sometimes students just need to say their multiplication facts out loud. Talk The Talk gives them the opportunity to do just that. The multiplication facts are set up in a way that allows students to practice a certain fact a dozen times while they say it out loud and write it.

9 x 4 = 36	__ x __ = ___	9 9 9	
9 x 4 =	__ x __ = ___	x4 x4 x4	x_ x_ x_
9 x 4 =	__ x __ = ___		



Students are given the factors, but have to fill in the product.

Students have to write both the factors and product.

Talk The Talk requires the student to say each problem as they fill in the missing pieces. Also, as an added feature, students get practice with the same problem both horizontally six times and vertically six times, for a total of twelve repetitions. In multiplication, repetition is a good thing!

What is 52 Flip?

Keeping with the idea that MWM provides different options for kids to practice their multiplication, 52 Flip uses a deck of cards to assist this activity. Each card represents a factor to be multiplied (in this example by 8.)

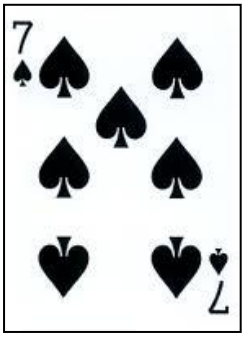
A key shows how the face cards and ace are to be used as factors.

The title indicates what to multiply each card by.

Jack=10 Queen=11 King=12 Ace=1

Multiply By 8

Start 16			
88			
56			
			Finish

Place Deck Here	Place X Card Here
	

52 Flip has separate places for the deck of cards and card to multiply by.

52 spaces are provided – one for each card in the deck to multiply by.

As a student takes a card from the deck, they place it face up and multiply it by eight. Two – four students can do this activity at the same time and all be at different stages with their multiplication.

What is What Is Missing?

What Is Missing? is an activity that encourages students to use what they know by connecting their knowledge to the hints given in the problems. This fast and fun activity is written both horizontally and vertically so students can see the expressions two different ways.

$7 \times \square = 56$

$9 \times 7 = \square$

$\square \times 11 = 77$

Some of these problems are missing factors.

$$\begin{array}{r} 7 \\ \times\ \square \\ \hline 35 \end{array} \qquad \begin{array}{r} 4 \\ \times\ 7 \\ \hline \square \end{array} \qquad \begin{array}{r} \square \\ \times\ 7 \\ \hline 42 \end{array}$$

Some of these problems are missing the product.

There will even be a few problems that are missing both factors.

In each problem the students have to figure out what is missing. In some cases it is one of the factors, in others it is the product itself. Having students think backwards to solve problems is an important mathematical skill. Also, finding missing factors within a problem is a good stepping stone into the world of algebra for our students.

What is Repeat That?

Multiplication is more than repeated addition, but it can't be ignored. When we multiply, we put equal groups together to find the total. We can solve multiplication number sentences by adding the same number over and over again. Repeat That has students create either the multiplication sentence or the repeated addition sentence.

Multiplication Sentence	Repeated Addition Sentence
5 x 3 = 15	3 + 3 + 3 + 3 + 3 = 15
3 x 7 = 21	7 + 7 + 7 = 21
4 x 3 =	
3 x 9 =	
8 x 3 =	

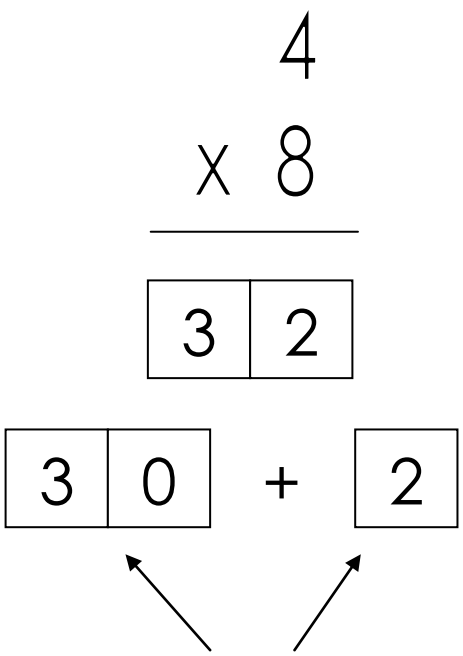
We give the students the multiplication number sentence without the answer. The student must come up with the answer, then move on to the repeated addition sentence.

Once the student solves the product of the multiplication sentence, they show the same problem and answer, but this as a repeated addition sentence.

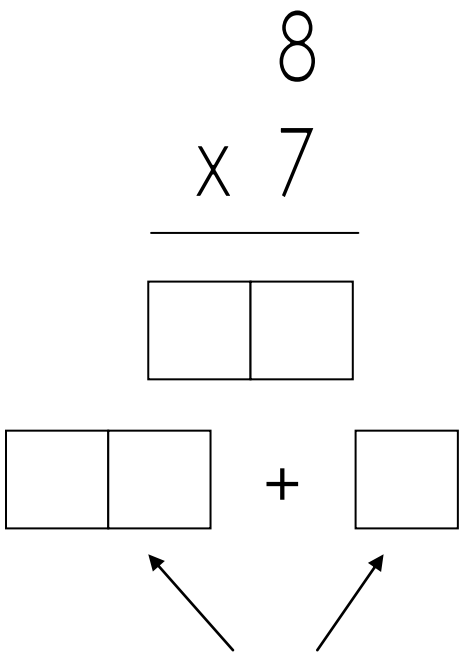
We understand that this probably won't be the most popular of MWM activities, but it's a good skill for the kids to have. We purposefully didn't make this a massive activity, but rather we chose to keep it a solid sample size that hit the concept of repeated addition.

What is Expand The Value?

In an effort to layer on multiple mathematical skills, Expand The Value is an activity that has the students show the value of each digit in the product once it has been solved.



After the student finds the product, they have to expand the answer to show the value of each digit.



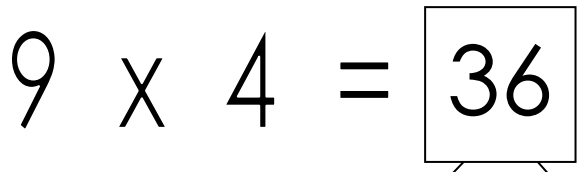
Each problem will be set up with the proper squares for the students to identify the values of both the tens and ones places. If a product goes to the hundreds, the necessary boxes will be available.

The whole idea of MWM is to give our students more insight on multiplication compared to the standard drill and kill worksheet. We want our students to know their multiplication facts with automaticity, but we want them to understand what these numbers truly mean. Expand The Value gives students multiplication practice and some tools to write the product in expanded form.

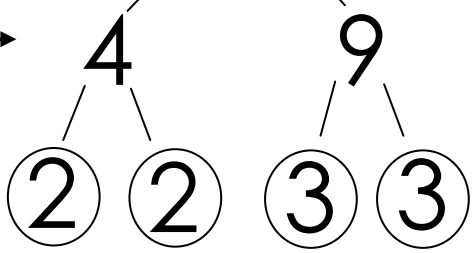
What is Prime Time?

While Expand The Value helped students layer on the skill of expanded form, Prime Time has students break down their answer into prime factorization.

Once the student finds the product, they can begin the process prime factorization.

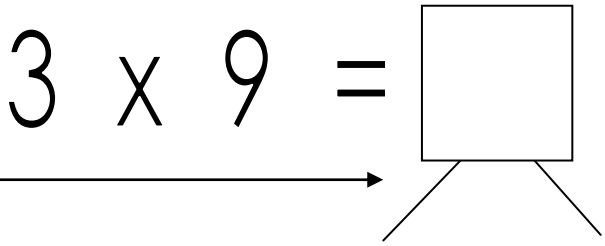


The first branches on the factor tree can be the factors used in the problem.



Have kids circle the digits when they become prime.

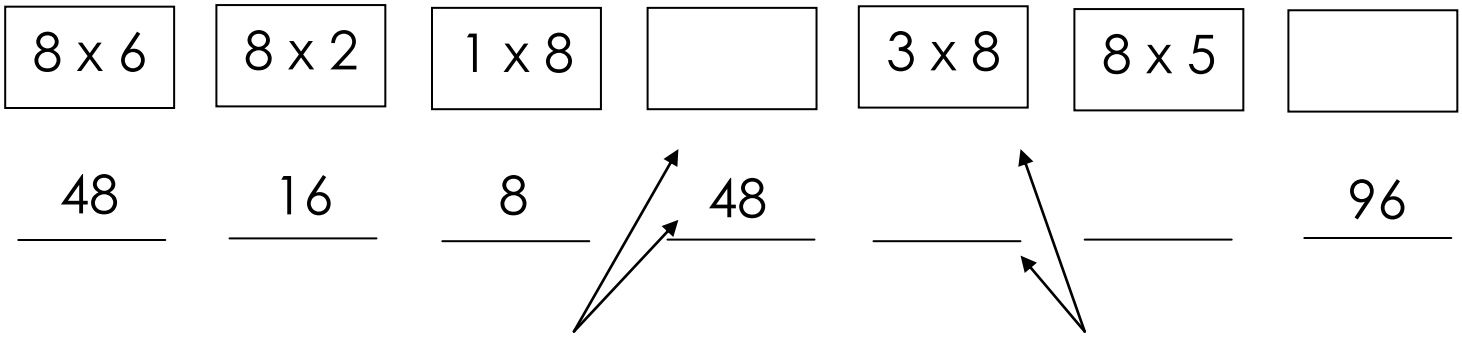
In Prime Time, the problem will only give two branches to start with. The rest will be up to the student.



Breaking numbers down to their prime is an important skill. Prime numbers are the building blocks of all numbers. We want students to play with multiplication and to start seeing numbers as patterns and mini multiplication problems. Finding the prime factorization usually only requires knowing the first five or so prime numbers.

What is Put It All Together?

Put It All Together is the cumulative test that really shows if students know their multiplication facts. It is designed to be a timed test, but instead of the traditional version, Put It All Together makes students show either the product of two factors or the two factors that make a certain product.



If the product is presented for the student, it is their responsibility to come up with the expression that matches the product.

If the expression is given in the box, the student must come up with the product of the two given factors.

With this type of activity, students have to be able to work forwards and backwards with their thinking. Coming up with the product is easier than trying to determine the factors needed to multiply together. With that stated, there is an increased rigor and expectation that allows the students to use a deeper understanding of multiplication.

Put It All Together is the assessment piece of MWM. We know speed and accuracy are essential traits of multiplication automaticity. Therefore, we let the teacher decide on the time limit for this final activity. Since this is the assessment piece, we have included multiple versions with question order slightly altered.

How do you use MWM in a classroom?

Multiple Ways Multiplication is set up with twelve activities and one timed assessment tool to be used at the end of your weekly session. The intent is for MWM to be used daily, only a few minutes a day to give your students time to work with multiplication in different ways.

The order in which you choose to use the MWM activities is completely up to the teacher. You can use any of the twelve activities in the order you see fit. We have twelve unique activities for each number from 2 – 12, and one timed assessment. That means that there are three weeks worth of multiplication instruction available to the teacher for each digit 2 – 12!

Do all students do the same activity at the same time?

It makes sense to have all your students working on the same activity at the same time…here is why: MWM is self-leveling according to student ability and all practice formats work the same regardless of the level a student is working on. A teacher can have students working on two or three different multiplication numbers (4s, 6s, and 8s) in the classroom and still have the luxury of using only one set of directions for everyone. If it's Monday and you want everyone doing the Multiplication Match activity, you can! The rules for the activity are the same, but give different students different versions: 4s for the students on 4s and 6s for the students on 6s and so on.

How does a student advance from one multiplication number to the next?

If you were to do four activities from MWM Monday through Thursday, that would let you use Friday as the students' test day. If a student is able to pass the Put It All Together assessment in the time you've set, then that student can move on to the next number in their multiplication table.

If the student is unable to pass the test, you still have eight more different activities from MWM to do with them in the upcoming weeks. At which point they can take the Put It All Together assessment again.

Why are there different versions for some of the activities?

We have included different versions for most of the activities in MWM to give you options. The more options you have, the more opportunities you can provide for your students to succeed with learning their multiplication facts.

Are all of the activities suitable for students?

Yes and no. Expand The Value and Prime Time are the most rigorous activities in MWM. Students like to do things if they can be successful. It's a good idea to hold off on those two until the end of your sessions, unless you have some students who want to tackle a challenge.

Besides MWM, what can I do to increase multiplication speed?

Keep in mind that MWM is designed to give students different ways to play and learn their multiplication facts. We want to give our students a depth of understanding with multiplication….more of the application of multiplication, rather than just performing the algorithm.

For pure speed and fun, we suggest using Math And Field (available for free download at www.PEPnonprofit.org). Math And Field is a series of events set up for students to go as fast as they can with addition, subtraction, multiplication, and division. It's the perfect next step once students have really learned multiplication.

Finally, for additional ways to have students play with multiplication you can use our Acing Math: One Deck At A Time (also available for free at www.PEPnonprofit.org). There are a number of games for students to play with a single deck of cards that focus on multiplication *(Multiplication Number Battle, Multi-Digit Multiplication Number Battle, Integer Multiplication Number Battle, Reading Multiplication Minds, Multiplication Zone, Multiplication Toss Up, and I Spy Products)*.

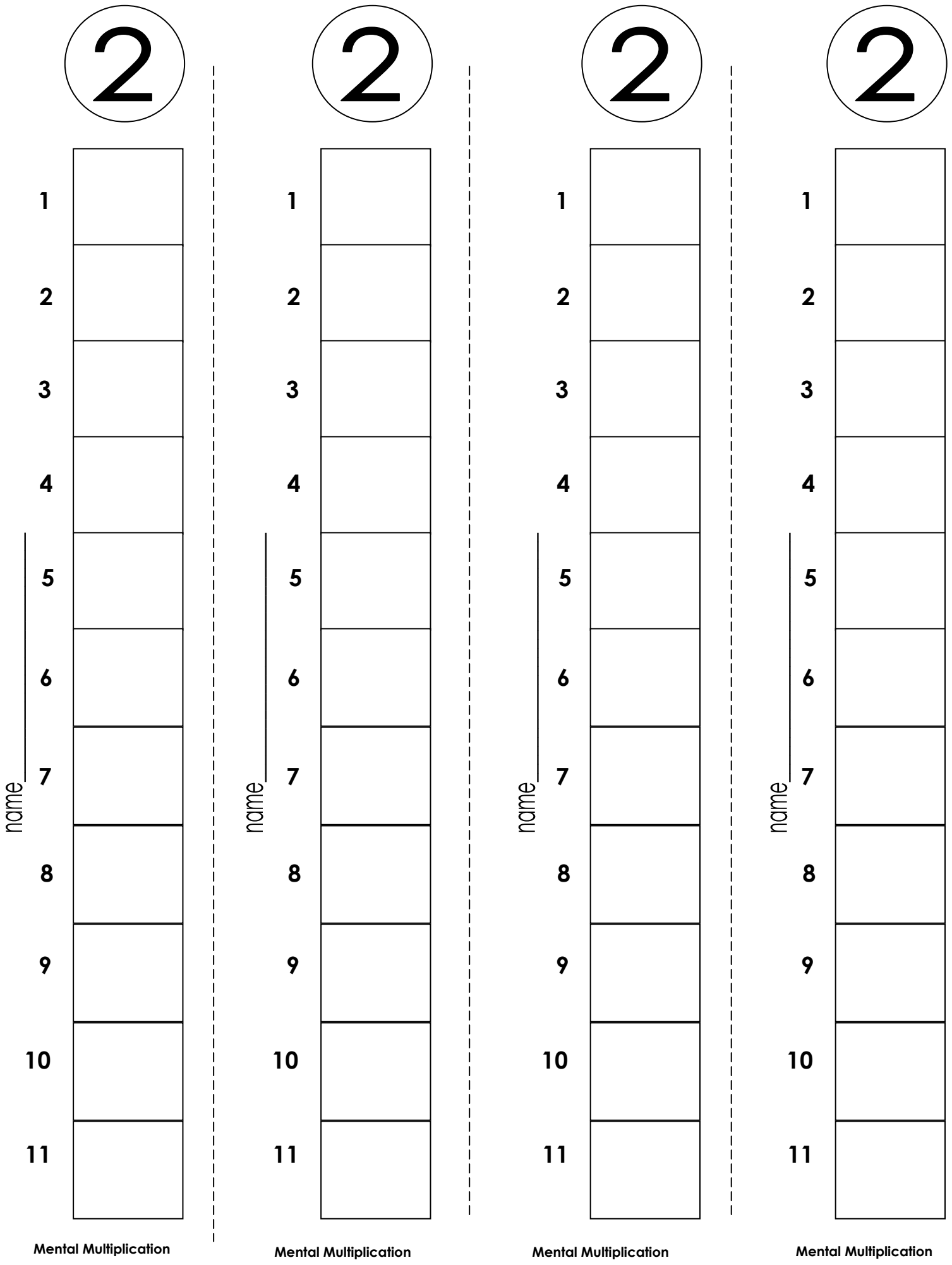
Both of the suggested activities are compliments to MWM and can be the speed piece to your multiplication program.

What is a breakdown of the activities?

Activity	Skill	Whole Group	Pairs or More	Individual	Multiple Versions
Mental Multiplication	Solving In Head	X			
Find The Factors	Factor Families			X	
Multiplication Match	Standard and Word Form			X	X
Left-Right Write	Directional Reading			X	X
Answer-Answer-Answer	Word Problems			X	X
Stair Steps	Skip Counting			X	X
Talk the Talk	Verbal Repetition			X	X
52 Flip	Manipulative	X	X	X	
What Is Missing?	Pre Algebra			X	X
Repeat That	Repeated Addition			X	X
Expand The Value	Expanded Form			X	X
Prime Time	Prime Factorization			X	X
Put It All Together	Assessment of Multiplication	X		X	X

2S SECTION

www.PEPnonprofit.org


2
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
2
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
2
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
2
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication

Find The Factors 2s

2	4	6	8	10	12
1 x 2					
2 x 1					

14	16	18	20	22	24

name_____

2s version 1

name

12	**2 x 2**	twenty
20	**6 x 2**	ten
4	**2 x 8**	twelve
8	**9 x 2**	four
10	**1 x 2**	two
16	**2 x 3**	six
22	**10 x 2**	twenty two
2	**2 x 11**	sixteen
18	**4 x 2**	eighteen
24	**2 x 12**	fourteen
6	**7 x 2**	twenty four
14	**2 x 5**	eight

Multiplication Match

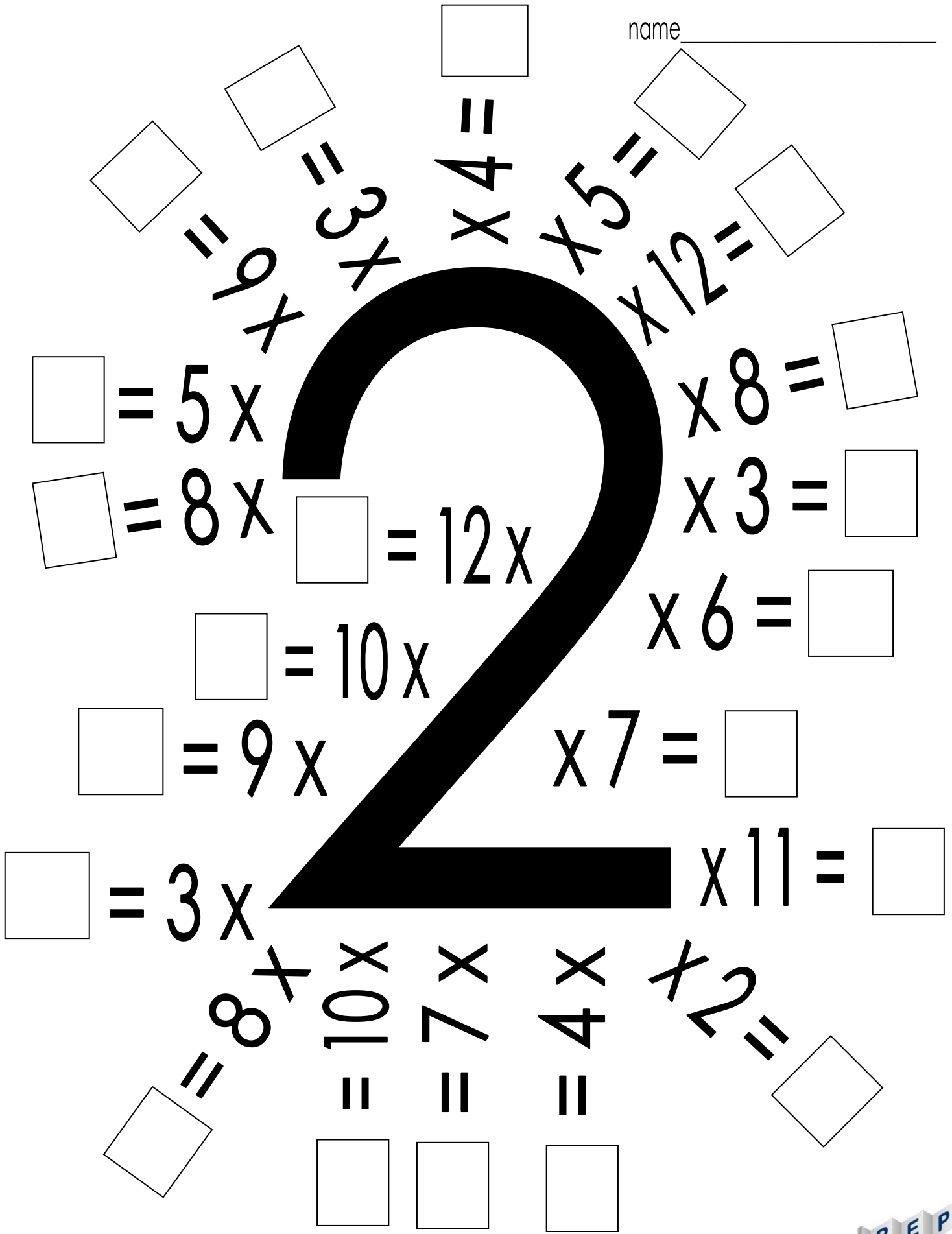
2s version 2

name

22	**2 x 8**	twenty two
16	**9 x 2**	ten
4	**2 x 2**	six
18	**12 x 2**	four
10	**1 x 2**	two
24	**2 x 3**	twelve
12	**11 x 2**	twenty
2	**2 x 10**	twenty four
6	**6 x 2**	eighteen
14	**2 x 4**	eight
8	**5 x 2**	sixteen
20	**2 x 7**	fourteen

Multiplication Match

name_____



Left-Right Write 2s Version 1

name_______________________

2

= 9 x 2
= 11 x 2
x 12 =
x 6 =
x 2 =
= 2 x 2
x 9 =
= 1 x 2
x 3 =
= 12 x 2
x 7 =
= 10 x 2
= 5 x 2
x 6 =
= 3 x 2
x 11 =
= 4 x 2
10 x 2 =
8 x 2 =
7 x 2 =
x 12 =

Left-Right Write 2s Version 2

www.PEPnonprofit.org

name_____

Word Problem?	**Numeric Answer**
There are 2 eggs in each box. How many eggs are there in 4 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each candy bar costs $2. How much would 7 candy bars cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Jose has 2 boxes of crayons. Each box holds 12 crayons. How many crayons does Jose have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 2 marbles in each box. How many marbles are in 9 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 6 pencils. If there are 2 children, how many pencils are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Kim went to the store 8 times. She bought 2 oranges each time she went. How many oranges did Kim buy in total?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 2s Version 1

name_____

Word Problem?	**Numeric Answer**
Tim buys 7 bags of apples. Each bag has 2 apples. How many apples does Tim have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 11 pencils. How many pencils do 2 children have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 8 Skittles. If there are 2 children, how many Skittles are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 5 cookies in each box. How many cookies are in 2 boxes?	**Complete Sentence Answer**
	Visual Answer

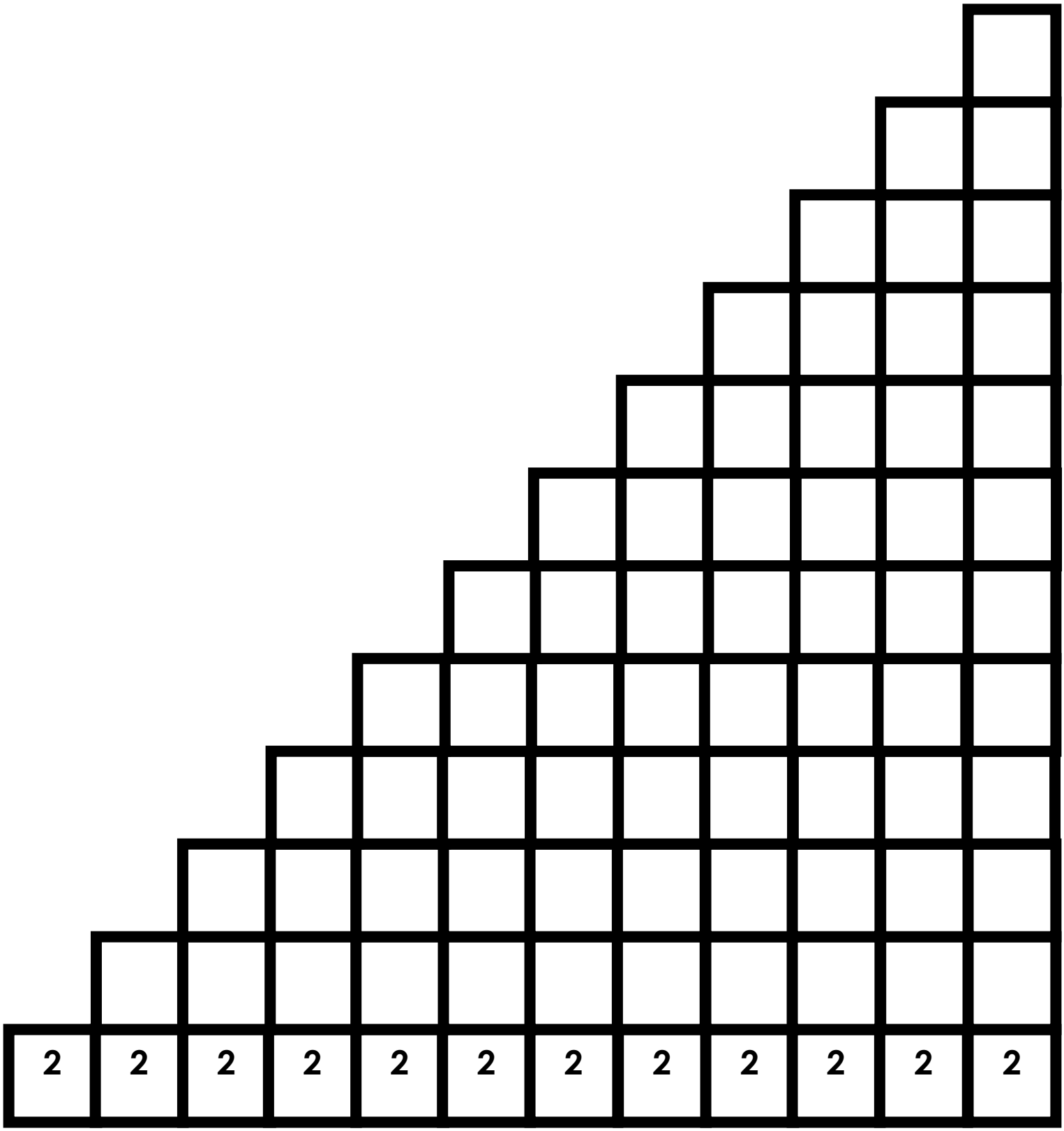
Word Problem?	**Numeric Answer**
Abby has 12 bags of potatoes. If each bag has 2 potatoes, how many potatoes are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Carl buys 3 packs of gum. Each pack of gum has 2 pieces in it. How many pieces of gum does Carl have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 2s version 2

name_____

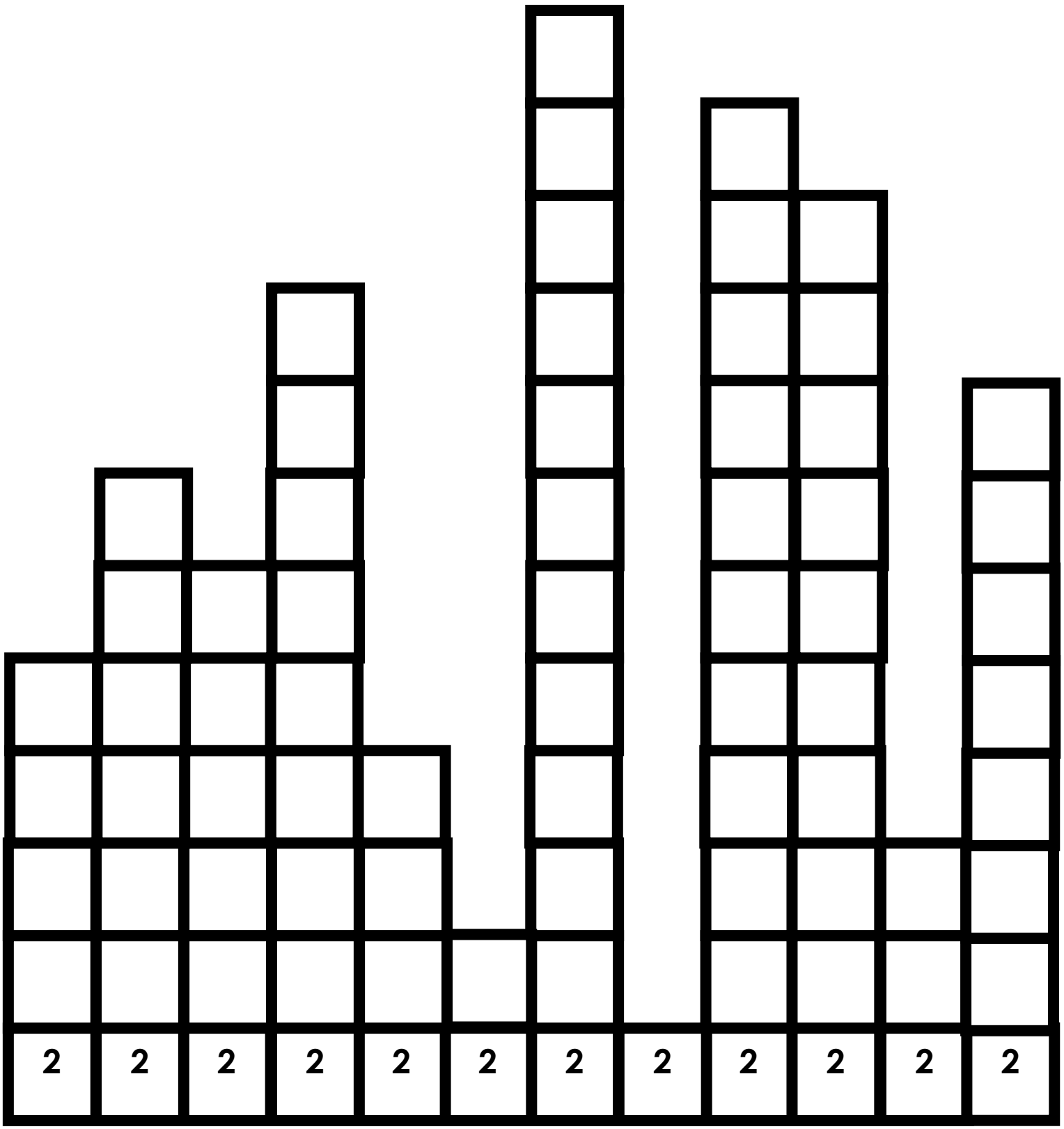
Stair Steps 2s version 1



1x2	2x2	3x2	4x2	5x2	6x2	7x2	8x2	9x2	10x2	11x2	12x2

name_____

Stair Steps 2s version 2



5x2	7x2	6x2	9x2	4x2	2x2	12x2	1x2	11x2	10x2	3x2	8x2

name_____

3 x 2 = 6 3 x 2 = 3 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x2 x2 x2	x_ x_ x_
4 x 2 = 8 4 x 2 = 4 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x2 x2 x2	x_ x_ x_
5 x 2 = 10 5 x 2 = 5 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x2 x2 x2	x_ x_ x_
6 x 2 = 12 6 x 2 = 6 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x2 x2 x2	x_ x_ x_
7 x 2 = 14 7 x 2 = 7 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x2 x2 x2	x_ x_ x_
8 x 2 = 16 8 x 2 = 8 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x2 x2 x2	x_ x_ x_
9 x 2 = 18 9 x 2 = 9 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x2 x2 x2	x_ x_ x_
10 x 2 = 20 10 x 2 = 10 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x2 x2 x2	x_ x_ x_
11 x 2 = 22 11 x 2 = 11 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x2 x2 x2	x_ x_ x_
12 x 2 = 24 12 x 2 = 12 x 2 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x2 x2 x2	x_ x_ x_

Talk The Talk 2s version 1

name_____

2 x 3 = 6 2 x 3 = 2 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x3 x3 x3	x_ x_ x_

2 x 4 = 8 2 x 4 = 2 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x4 x4 x4	x_ x_ x_

2 x 5 = 10 2 x 5 = 2 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x5 x5 x5	x_ x_ x_

2 x 6 = 12 2 x 6 = 2 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x6 x6 x6	x_ x_ x_

2 x 7 = 14 2 x 7 = 2 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x7 x7 x7	x_ x_ x_

2 x 8 = 16 2 x 8 = 2 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x8 x8 x8	x_ x_ x_

2 x 9 = 18 2 x 9 = 2 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x9 x9 x9	x_ x_ x_

2 x 10 = 20 2 x 10 = 2 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x10 x10 x10	x_ x_ x_

2 x 11 = 22 2 x 11 = 2 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x11 x11 x11	x_ x_ x_

2 x 12 = 24 2 x 12 = 2 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	2 2 2 x12 x12 x12	x_ x_ x_

Talk The Talk 2s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 2

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

2 x ☐ = 4	2 x 8 = ☐
3 x 2 = ☐	☐ x 5 = 10
2 x 8 = ☐	12 x 2 = ☐
☐ x 2 = 18	2 x ☐ = 14
2 x 10 = ☐	2 x ☐ = 4
4 x 2 = ☐	☐ x 11 = 22
2 x 3 = ☐	2 x ☐ = 18
6 x 2 = ☐	☐ x 5 = 10
2 x 8 = ☐	

2 x 8 = ☐

9 x ☐ = 18

☐ x 2 = 14

5 x 2 = ☐

What Is Missing? 2s version 1

name_____

2 x ☐ = 6	2 x 11 = ☐
8 x 2 = ☐	☐ x 12 = 24
2 x 8 = ☐	12 x 2 = ☐
☐ x 2 = 18	2 x ☐ = 14
2 x 10 = ☐	9 x ☐ = 18
4 x 2 = ☐	☐ x 11 = 22
2 x 3 = ☐	2 x ☐ = 18
6 x 2 = ☐	☐ x 7 = 14
2 x 11 = ☐	

9 x ☐ = 18

☐ x 2 = 14

2 x 6 = ☐

What Is Missing? 2s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
5 x 2 = 10	2 + 2 + 2 + 2 + 2 = 10
2 x 8 =	
2 x 4 =	
7 x 2 =	
2 x 11 =	
9 x 2 =	
3 x 2 =	
2 x 12 =	
2 x 10 =	

Repeat That? 2s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
2 x 9 = 18	9 + 9 = 18
2 x 7 =	
4 x 2 =	
2 x 12 =	
6 x 2 =	
5 x 2 =	
2 x 10 =	
2 x 9 =	
7 x 2 =	

Repeat That? 2s version 2

www.PEPnonprofit.org

name_____

2 x 8 = □□ = □□ + □	12 x 2 = □□ = □□ + □	2 x 7 = □□ = □□ + □
8 x 2 = □□ = □□ + □	10 x 2 = □□ = □□ + □	2 x 6 = □□ = □□ + □
2 x 5 = □□ = □□ + □	11 x 2 = □□ = □□ + □	2 x 4 = □ = □
2 x 6 = □□ = □□ + □	12 x 2 = □□ = □□ + □	2 x 8 = □□ = □□ + □

Expand The Value 2s version 1

name_____

2 x 9 = ☐☐ = ☐☐ + ☐	10 x 2 = ☐☐ = ☐☐ + ☐	2 x 6 = ☐☐ = ☐☐ + ☐
8 x 2 = ☐☐ = ☐☐ + ☐	11 x 2 = ☐☐ = ☐☐ + ☐	2 x 7 = ☐☐ = ☐☐ + ☐
2 x 5 = ☐☐ = ☐☐ + ☐	12 x 2 = ☐☐ = ☐☐ + ☐	2 x 3 = ☐ = ☐
2 x 5 = ☐☐ = ☐☐ + ☐	12 x 2 = ☐☐ = ☐☐ + ☐	2 x 9 = ☐☐ = ☐☐ + ☐

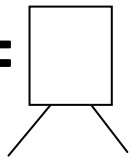
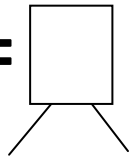
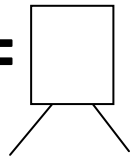
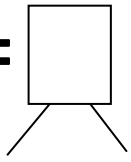
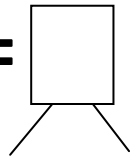
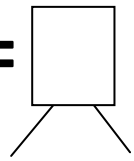
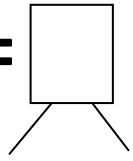
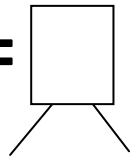
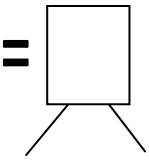
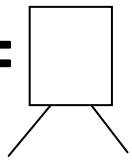
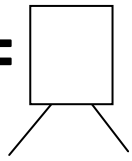
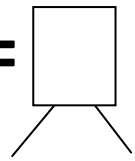
Expand The Value 2s version 2

name_____

2 x 9 =	6 x 2 =	12 x 2 =
2 x 10 =	8 x 2 =	2 x 4 =
10 x 2 =	7 x 2 =	2 x 6 =
2 x 11 =	2 x 8 =	9 x 2 =

Prime Time 2s version 1

name_____

2 x 12 = 	9 x 2 = 	10 x 2 = 
2 x 6 = 	8 x 2 = 	2 x 4 = 
4 x 2 = 	7 x 2 = 	2 x 12 = 
2 x 11 = 	2 x 9 = 	9 x 2 = 

Prime Time 2s version 2

name_____

2 x 6	5 x 2			3 x 2	2 x 5		8 x 2	
		8	24			2		22

	10 x 2	2 x 7		5 x 2	2 x 2	1 x 2	6 x 2	
6			16					18

2 x 4				7 x 2				2 x 9
	20	22	18		10	6	14	

	10 x 2	2 x 7		5 x 2	2 x 2	1 x 2	6 x 2	
6			16					18

2 x 3			2 x 8	5 x 2				2 x 4
	12	8			24	16	22	

Put It All Together 2s version 1

name_____

2 x 2	6 x 2			3 x 2	2 x 7		8 x 2	
		22	24			6		20

	11 x 2	2 x 12		9 x 2	2 x 1	9 x 2	7 x 2	
2			14					22

2 x 9				11 x 2				2 x 8
	12	24	10		20	16	14	

	12 x 2	2 x 8		4 x 2	2 x 8	7 x 2	6 x 2	
16			12					18

2 x 3			2 x 8	5 x 2				2 x 9
	12	6			24	20	22	

Put It All Together 2s version 2

name_____

5 x 2	2 x 2			6 x 2	2 x 4		8 x 2	
		8	12			6		24

	11 x 2	2 x 10		5 x 2	2 x 7	9 x 2	6 x 2	
12			24					22

2 x 9				11 x 2				2 x 4
	14	6	10		20	16	12	

	12 x 2	2 x 5		8 x 2	2 x 8	4 x 2		
10			24				16	10

2 x 3			2 x 4	5 x 2				2 x 3
	14	16			24	20	8	

Put It All Together 2s version 3

3S SECTION

MWM

PEP
www.PEPnonprofit.org

name

1
2
3
4
5
6
7
8
9
10
11

Mental Multiplication

name

1
2
3
4
5
6
7
8
9
10
11

Mental Multiplication

name

1
2
3
4
5
6
7
8
9
10
11

Mental Multiplication

name

1
2
3
4
5
6
7
8
9
10
11

Mental Multiplication

Find The Factors 3s

3	6	9	12	15	18
1 x 3					
3 x 1					

21	24	27	30	33	36

name_____

3s version 1

name

18	**2 x 3**	three
30	**6 x 3**	nine
6	**3 x 8**	fifteen
12	**9 x 3**	twenty one
15	**1 x 3**	twenty seven
24	**3 x 3**	thirty three
33	**10 x 3**	thirty six
3	**3 x 11**	thirty
27	**4 x 3**	twenty four
36	**3 x 12**	eighteen
9	**7 x 3**	twelve
21	**3 x 5**	six

Multiplication Match

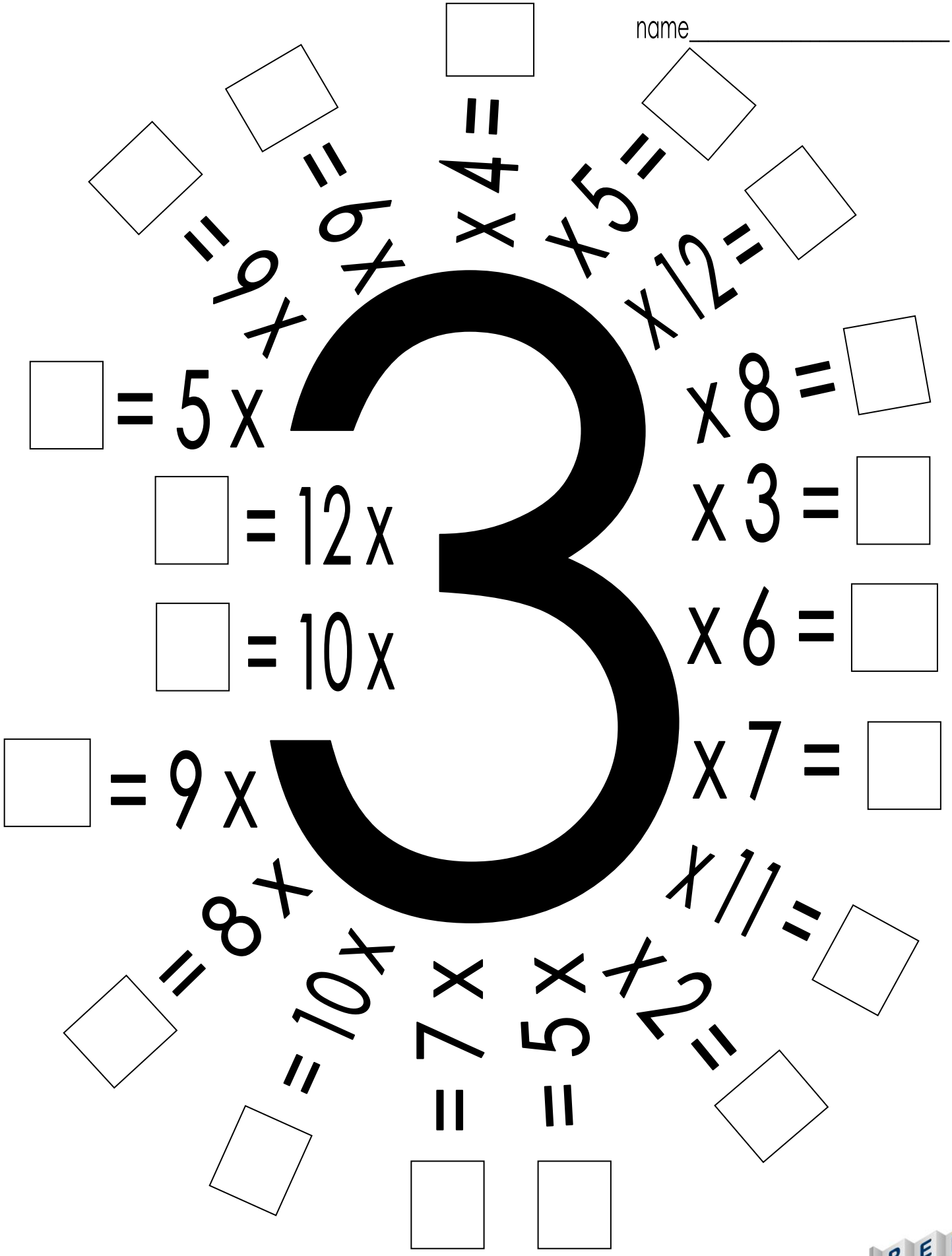
3s version 2

name

36	**3 x 8**	thirty three
3	**9 x 3**	fifteen
33	**2 x 3**	nine
6	**12 x 3**	six
30	**1 x 3**	three
9	**3 x 3**	eighteen
27	**11 x 3**	thirty
12	**3 x 10**	thirty six
24	**6 x 3**	twenty seven
15	**3 x 4**	twelve
21	**5 x 3**	twenty four
18	**3 x 7**	twenty one

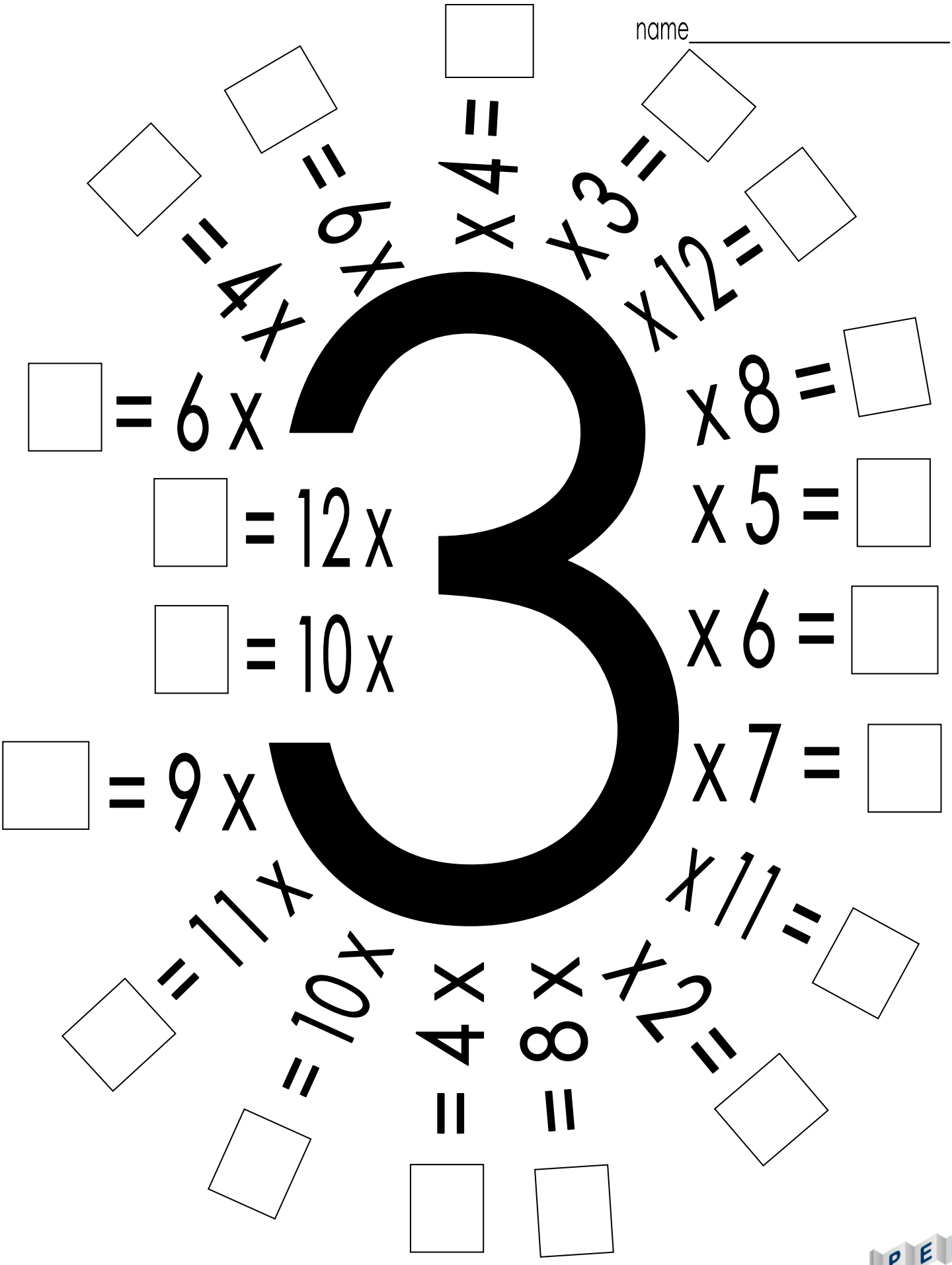
Multiplication Match

name_____



Left-Right Write 3s Version 1

name_____



Left-Right Write 3s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 3 toys in each box. How many toys are there in 3 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each video game costs $3. How much would 7 video games cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Ed has 3 boxes of crayons. Each box holds 10 crayons. How many crayons does Ed have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 3 lollipops in each bag. How many lollipops are in 12 bags?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 6 books. If there are 3 students, how many books are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Tara went to the movies 5 times. She bought 3 sodas each time she went. How many sodas did Tara buy in total?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 3s Version 1

name_____

Word Problem?	**Numeric Answer**
Dave buys 4 bags of pineapples. Each bag has 3 pineapples. How many pineapples does Dave have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 11 pencils. How many pencils do 3 children have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 8 baseball cards. If there are 3 boys, how many baseball cards are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 12 cookies in each box. How many cookies are in 3 boxes?	**Complete Sentence Answer**
	Visual Answer

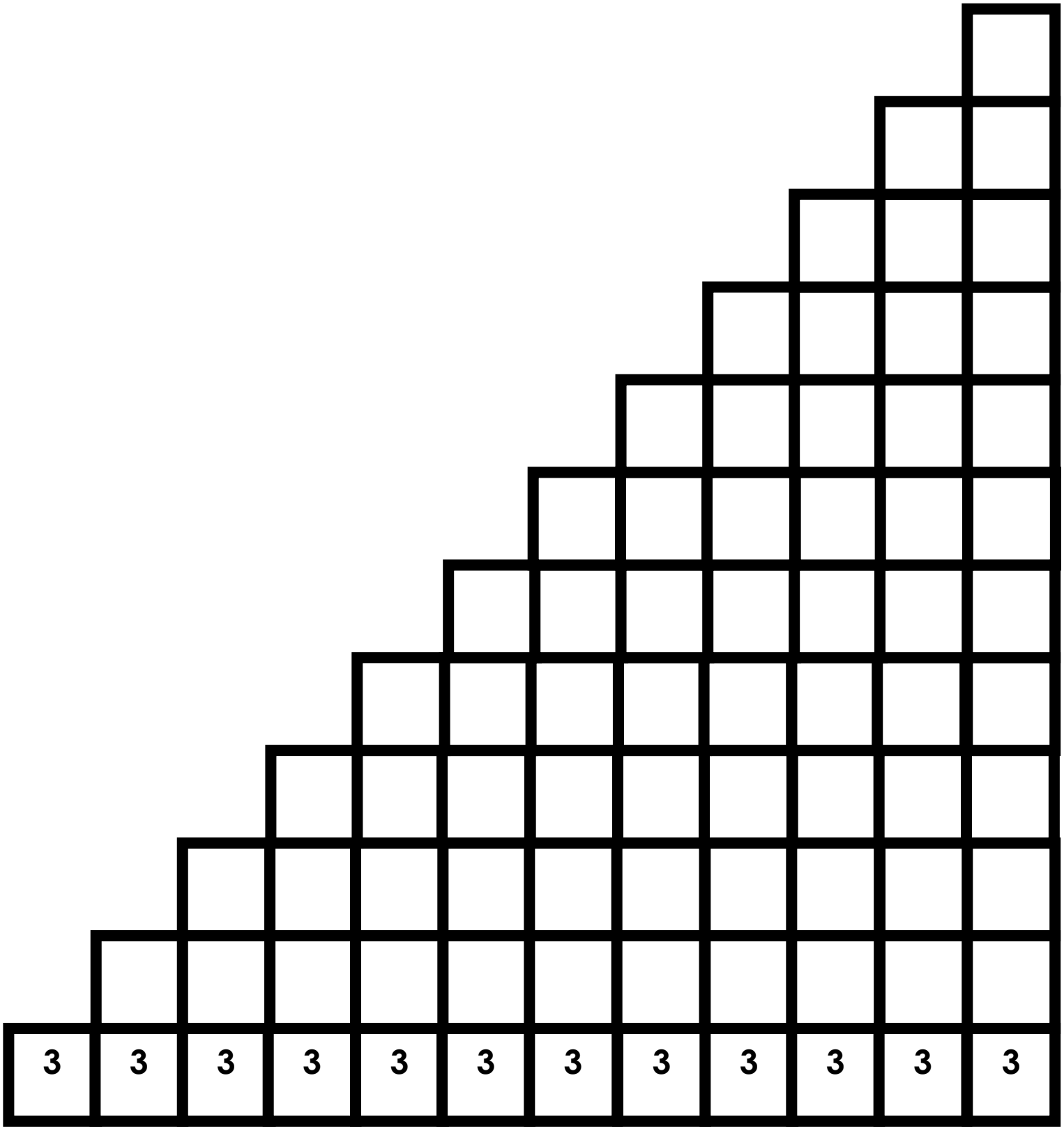
Word Problem?	**Numeric Answer**
Nola has 9 boxes of bracelets. If each box has 3 bracelets, how many bracelets are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Wendy buys 3 packs of gum. Each pack of gum has 5 pieces in it. How many pieces of gum does Wendy have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 3s version 2

name_____

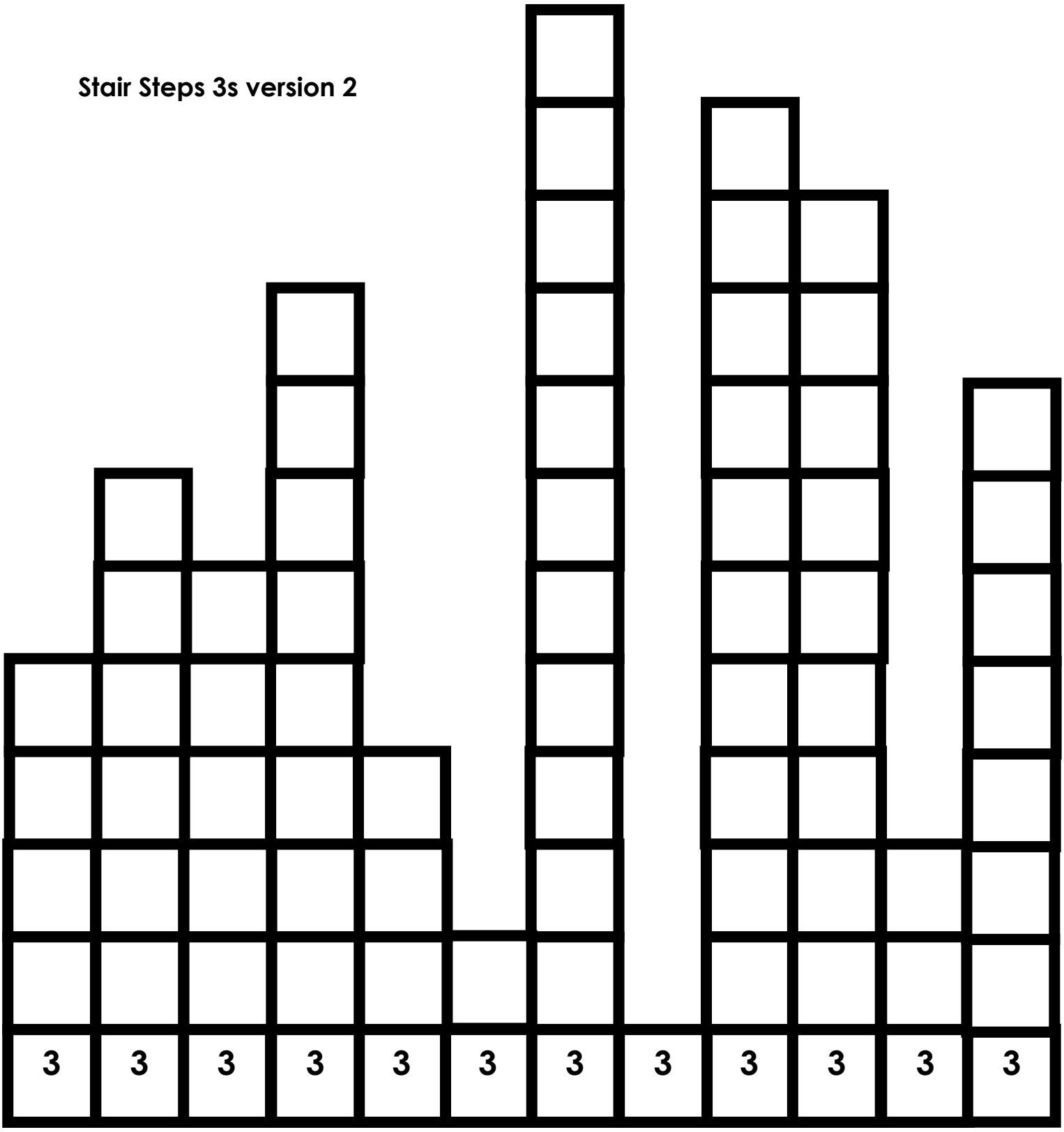
Stair Steps 3s version 1



1x3	2x3	3x3	4x3	5x3	6x3	7x3	8x3	9x3	10x3	11x3	12x3

name_____

Stair Steps 3s version 2



5x3	7x3	6x3	9x3	4x3	2x3	12x3	1x3	11x3	10x3	3x3	8x3

name_____

3 x 3 = 9 3 x 3 = 3 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x3 x3 x3	x x x
4 x 3 = 12 4 x 3 = 4 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x3 x3 x3	x x x
5 x 3 = 15 5 x 3 = 5 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x3 x3 x3	x x x
6 x 3 = 18 6 x 3 = 6 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x3 x3 x3	x x x
7 x 3 = 21 7 x 3 = 7 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x3 x3 x3	x x x
8 x 3 = 24 8 x 3 = 8 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x3 x3 x3	x x x
9 x 3 = 27 9 x 3 = 9 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x3 x3 x3	x x x
10 x 3 = 30 10 x 3 = 10 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x3 x3 x3	x x x
11 x 3 = 33 11 x 3 = 11 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x3 x3 x3	x x x
12 x 3 = 36 12 x 3 = 12 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x3 x3 x3	x x x

Talk The Talk 3s version 1

name_____

3 x 3 = 9 3 x 3 = 3 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x3 x3 x3	x_ x_ x_

3 x 4 = 12 3 x 4 = 3 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x4 x4 x4	x_ x_ x_

3 x 5 = 15 3 x 5 = 3 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x5 x5 x5	x_ x_ x_

3 x 6 = 18 3 x 6 = 3 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x6 x6 x6	x_ x_ x_

3 x 7 = 21 3 x 7 = 3 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x7 x7 x7	x_ x_ x_

3 x 8 = 24 3 x 8 = 3 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x8 x8 x8	x_ x_ x_

3 x 9 = 27 3 x 9 = 3 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x9 x9 x9	x_ x_ x_

3 x 10 = 30 3 x 10 = 3 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x10 x10 x10	x_ x_ x_

3 x 11 = 33 3 x 11 = 3 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x11 x11 x11	x_ x_ x_

3 x 12 = 36 3 x 12 = 3 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x12 x12 x12	x_ x_ x_

Talk The Talk 3s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 3

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$3 \times \square = 6$

$3 \times 3 = \square$

$\square \times 5 = 15$

$3 \times 8 = \square$

$12 \times 3 = \square$

$\square \times 3 = 27$

$3 \times \square = 21$

$3 \times 10 = \square$

$3 \times \square = 6$

$4 \times 3 = \square$

$\square \times 11 = 33$

$3 \times 3 = \square$

$3 \times \square = 27$

$6 \times 3 = \square$

$\square \times 5 = 15$

$3 \times 8 = \square$

$$\begin{array}{r} 3 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 27 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 3 \\ \hline \square \end{array}$$

What Is Missing? 3s version 1

name_____

$3 \times \square = 9$

$8 \times 3 = \square$

$\square \times 12 = 36$

$3 \times 8 = \square$

$12 \times 3 = \square$

$\square \times 3 = 27$

$3 \times \square = 21$

$3 \times 10 = \square$

$9 \times \square = 27$

$4 \times 3 = \square$

$\square \times 11 = 33$

$3 \times 3 = \square$

$3 \times \square = 27$

$6 \times 3 = \square$

$\square \times 7 = 21$

$3 \times 11 = \square$

$$\begin{array}{r} 3 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 27 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 3 \\ \times\ 6 \\ \hline \square \end{array}$$

What Is Missing? 3s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
5 x 3 = 15	3 + 3 + 3 + 3 + 3 = 15
3 x 9 =	
3 x 8 =	
7 x 3 =	
3 x 11 =	
9 x 3 =	
3 x 3 =	
3 x 12 =	
3 x 10 =	

Repeat That? 3s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
3 x 9 = 27	9 + 9 + 9 = 27
3 x 7 =	
4 x 3 =	
3 x 12 =	
6 x 3 =	
5 x 3 =	
3 x 10 =	
3 x 9 =	
7 x 3 =	

Repeat That? 3s version 2

www.PEPnonprofit.org

name_____

3 x 8 = ☐☐ = ☐☐ + ☐	12 x 3 = ☐☐ = ☐☐ + ☐	3 x 7 = ☐☐ = ☐☐ + ☐
8 x 3 = ☐☐ = ☐☐ + ☐	10 x 3 = ☐☐ = ☐☐ + ☐	3 x 6 = ☐☐ = ☐☐ + ☐
3 x 5 = ☐☐ = ☐☐ + ☐	11 x 3 = ☐☐ = ☐☐ + ☐	3 x 4 = ☐☐ = ☐☐ + ☐
3 x 6 = ☐☐ = ☐☐ + ☐	12 x 3 = ☐☐ = ☐☐ + ☐	3 x 8 = ☐☐ = ☐☐ + ☐

Expand The Value 3s version 1

name_____

3 x 9 = □□	10 x 3 = □□	3 x 6 = □□
□□ + □	□□ + □	□□ + □
8 x 3 = □□	11 x 3 = □□	3 x 7 = □□
□□ + □	□□ + □	□□ + □
3 x 5 = □□	12 x 3 = □□	3 x 3 = □
□□ + □	□□ + □	□
3 x 5 = □□	12 x 3 = □□	3 x 9 = □□
□□ + □	□□ + □	□□ + □

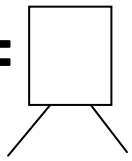
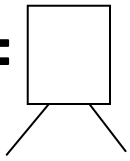
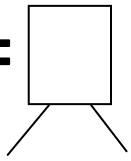
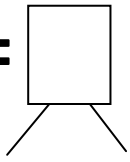
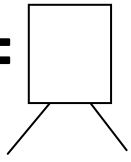
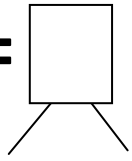
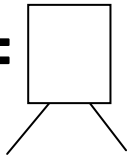
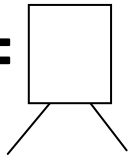
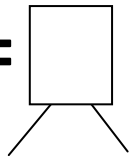
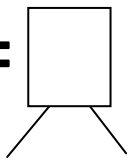
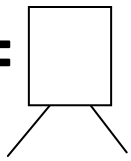
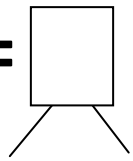
Expand The Value 3s version 2

name_____

3 x 9 =	6 x 3 =	12 x 3 =
3 x 10 =	8 x 3 =	3 x 4 =
10 x 3 =	7 x 3 =	3 x 6 =
3 x 11 =	3 x 8 =	9 x 3 =

Prime Time 3s version 1

name_____

3 x 12 = 	9 x 3 = 	10 x 3 = 
3 x 6 = 	8 x 3 = 	3 x 4 = 
4 x 3 = 	7 x 3 = 	3 x 12 = 
3 x 11 = 	3 x 9 = 	7 x 3 = 

Prime Time 3s version 2

name_____

3 x 6	5 x 3			3 x 2	2 x 3		8 x 3	
		36	24			9		27

	10 x 3	3 x 7		5 x 3	3 x 2	1 x 3	6 x 3	
15			9					18

3 x 4				7 x 3				3 x 9
	21	18	18		27	6	15	

	10 x 3	3 x 7		5 x 3	2 x 3	1 x 3	6 x 3	
33			24					18

3 x 3			3 x 8	5 x 3				3 x 4
	12	3			27	30	27	

Put It All Together 3s version 1

name_____

2 x 3	6 x 3			3 x 2	3 x 7		8 x 3	
		33	24			6		30

	11 x 3	3 x 12		9 x 3	3 x 1	9 x 3	7 x 3	
3			27					33

3 x 9				11 x 3				3 x 8
	12	24	30		33	15	12	

	12 x 3	3 x 8		4 x 3	3 x 8	7 x 3	6 x 3	
18			12					18

2 x 3			3 x 8	5 x 3				3 x 9
	12	30			24	30	33	

Put It All Together 3s version 2

name_____

5 x 3	1 x 3			6 x 3	3 x 4		8 x 3	
		15	12			6		27

	11 x 3	3 x 10		5 x 3	3 x 7	9 x 3	6 x 3	
12			24					33

3 x 9				11 x 3				3 x 4
	9	6	12		21	15	12	

	12 x 3	3 x 5		8 x 3	3 x 4	3 x 2		
30			24				21	12

2 x 3			3 x 4	5 x 3				3 x 3
	21	18			24	21	18	

Put It All Together 3s version 3

4S SECTION

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

Find The Factors 4s

4	8	12	16	20	24
1 x 4					
4 x 1					
2 x 2					

28	32	36	40	44	48

name_____

4s version 1

name

24	**2 x 4**	four
40	**6 x 4**	twelve
8	**4 x 8**	twenty
12	**9 x 4**	twenty eight
20	**1 x 4**	thirty six
32	**3 x 4**	forty four
48	**10 x 4**	forty eight
4	**4 x 11**	forty
36	**4 x 4**	twenty four
44	**4 x 12**	thirty two
16	**7 x 4**	sixteen
28	**4 x 5**	eight

Multiplication Match

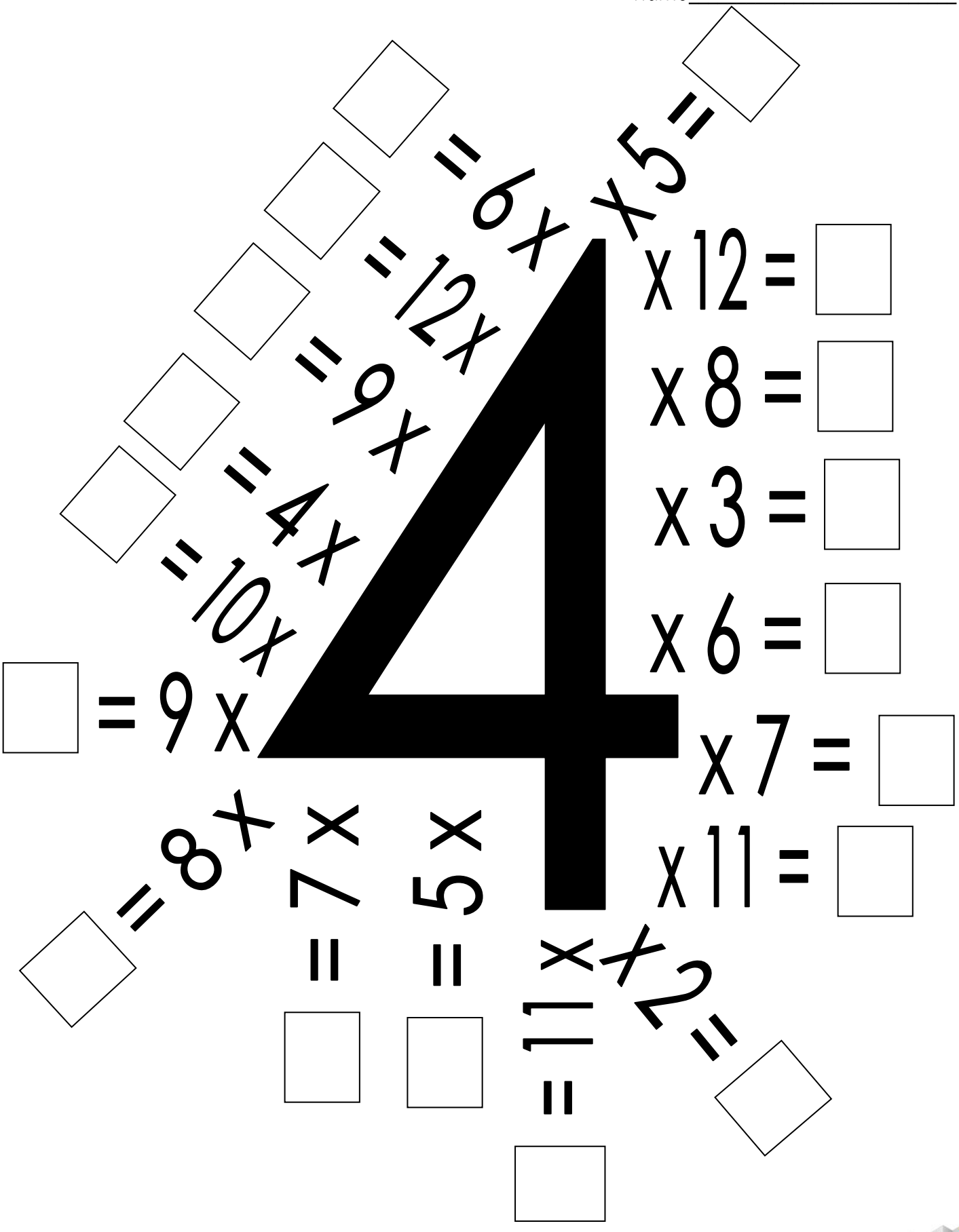
4s version 2

name

48	**4 x 8**	forty four
4	**9 x 4**	twenty
44	**2 x 4**	twelve
8	**12 x 4**	eight
40	**1 x 4**	four
12	**3 x 4**	twenty four
36	**11 x 4**	forty
16	**4 x 10**	forty eight
32	**6 x 4**	thirty six
20	**4 x 4**	sixteen
28	**5 x 4**	thirty two
24	**4 x 7**	twenty eight

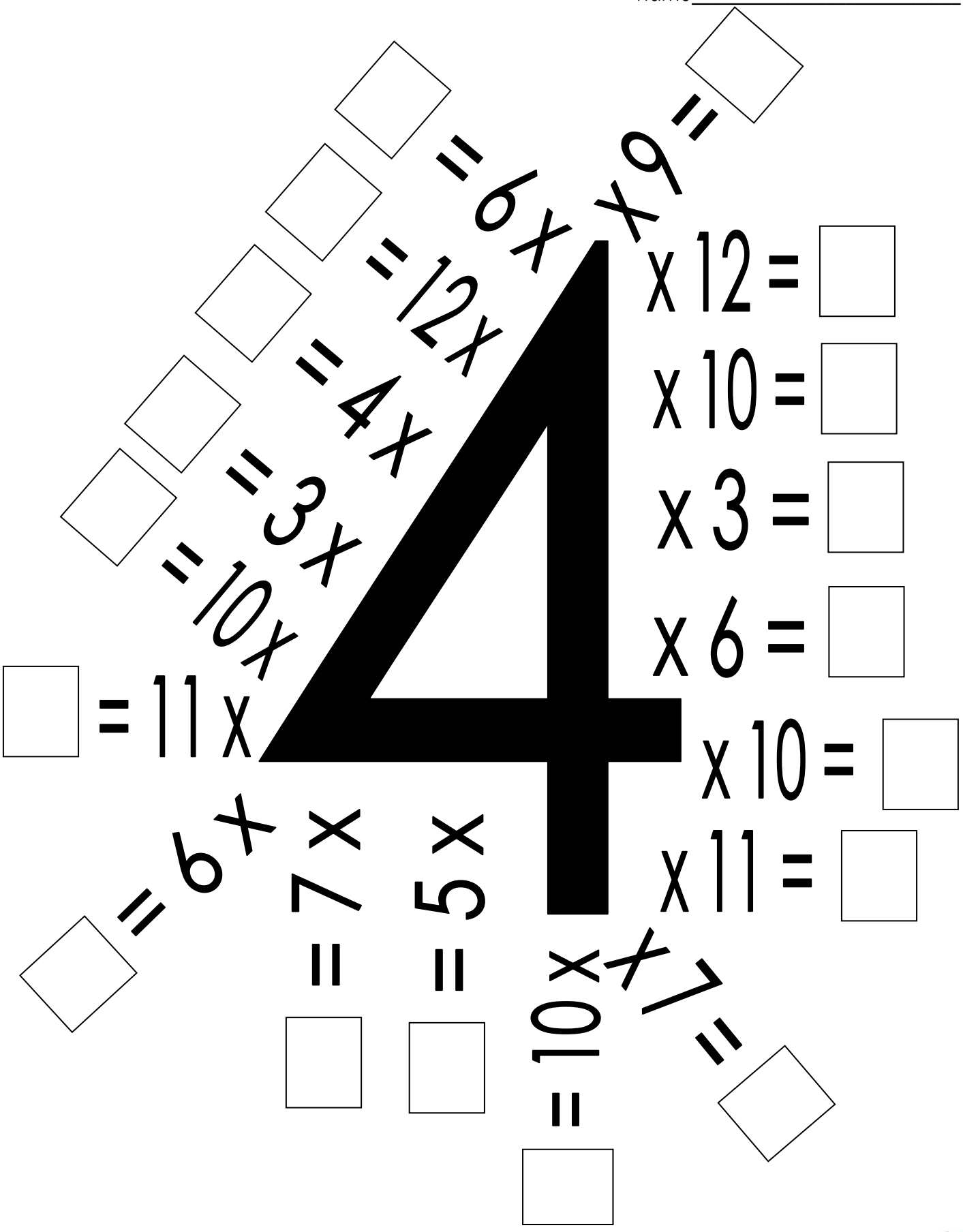
Multiplication Match

name_____



Left-Right Write 4s Version 1

name_____



Left-Right Write 4s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 7 apples in each bag. How many apples are there in 4 bags?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each hot dog costs $2. How much would 4 hot dogs cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Ryan has 4 boxes of baseball cards. Each box holds 8 baseball cards. How many baseball cards does Ryan have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 4 stickers on a page. How many stickers are there on 12 pages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 9 folders. If there are 4 students, how many folders are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Lana went to the library 4 times. She checked out 10 books each time she went. How many books did Lana check out in total?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 4s Version 1

name_____

Word Problem?	**Numeric Answer**
Chris buys 7 bags of oranges. Each bag has 4 oranges. How many oranges does Chris have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 8 flowers. How many flowers do 4 children have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each girl has 12 stuffed animals. If there are 4 girls, how many stuffed animals are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 9 candy canes in each box. How many candy canes are in 4 boxes?	**Complete Sentence Answer**
	Visual Answer

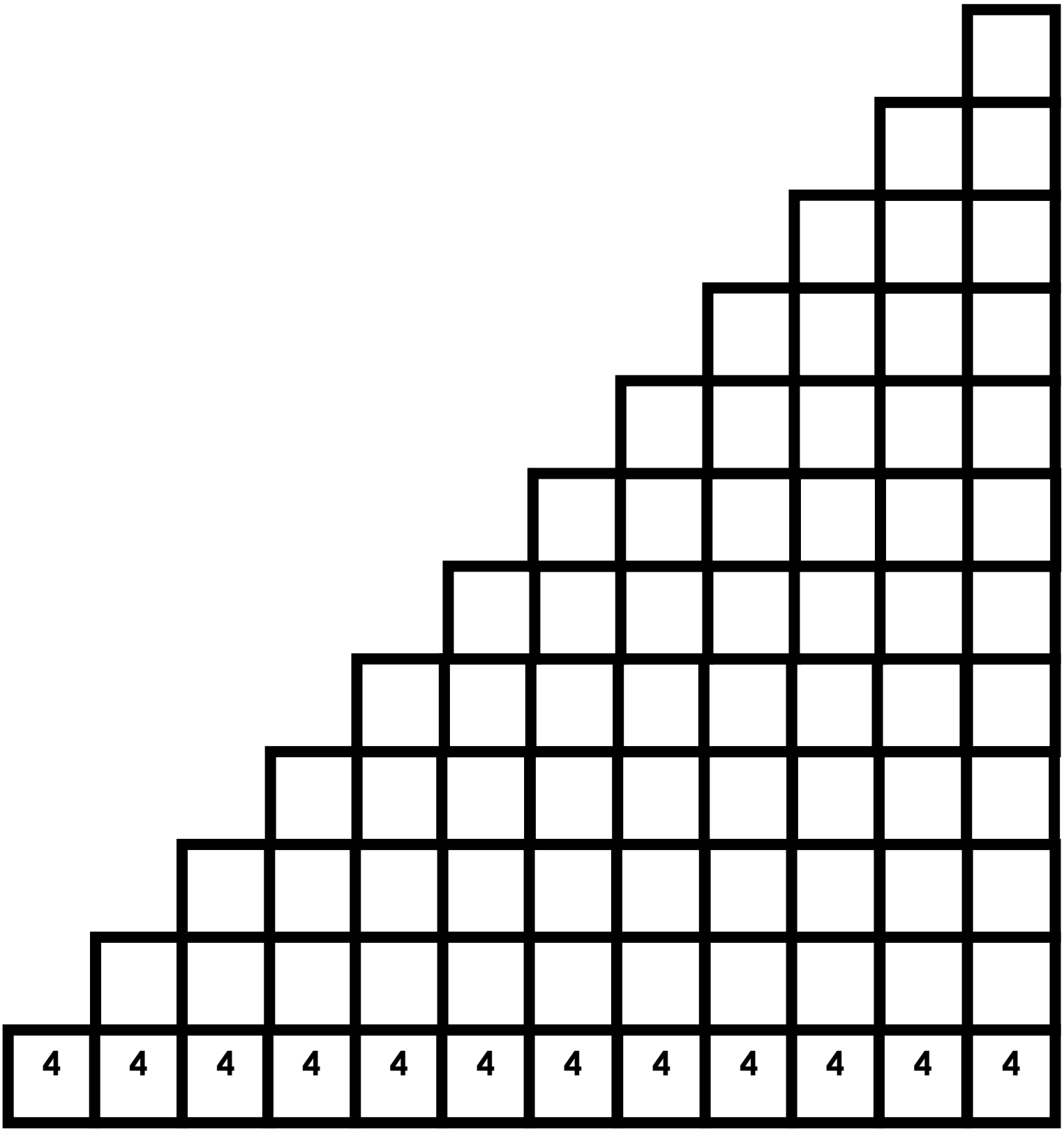
Word Problem?	**Numeric Answer**
Hannah has 4 boxes of erasers. If each box has 4 erasers, how many erasers are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Miguel buys 4 packs of gum. Each pack of gum has 5 pieces in it. How many pieces of gum does Miguel have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 4s version 2

name_____

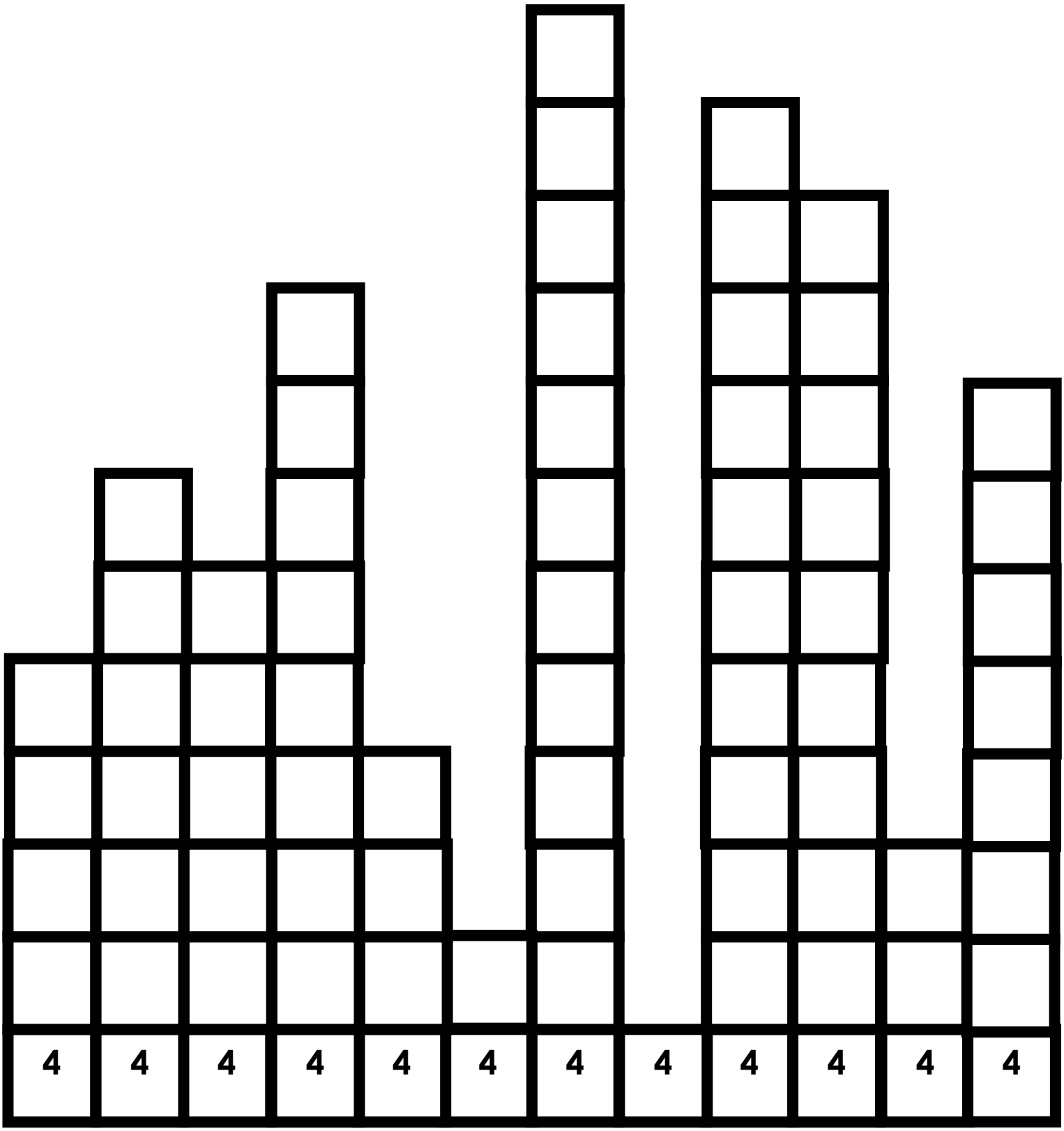
Stair Steps 4s version 1



1x4	2x4	3x4	4x4	5x4	6x4	7x4	8x4	9x4	10x4	11x4	12x4

name_____

Stair Steps 4s version 2



5x4	7x4	6x4	9x4	4x4	2x4	12x4	1x4	11x4	10x4	3x4	8x4

name_____

3 x 4 = 12 3 x 4 = 3 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x4 x4 x4	x_ x_ x_

4 x 4 = 16 4 x 4 = 4 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x4 x4 x4	x_ x_ x_

5 x 4 = 20 5 x 4 = 5 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x4 x4 x4	x_ x_ x_

6 x 4 = 24 6 x 4 = 6 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x4 x4 x4	x_ x_ x_

7 x 4 = 28 7 x 4 = 7 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x4 x4 x4	x_ x_ x_

8 x 4 = 32 8 x 4 = 8 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x4 x4 x4	x_ x_ x_

9 x 4 = 36 9 x 4 = 9 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x4 x4 x4	x_ x_ x_

10 x 4 = 40 10 x 4 = 10 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x4 x4 x4	x_ x_ x_

11 x 4 = 44 11 x 4 = 11 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x4 x4 x4	x_ x_ x_

12 x 4 = 36 12 x 4 = 12 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x4 x4 x4	x_ x_ x_

Talk The Talk 4s version 1

name_____

4 x 3 = 12 4 x 3 = 4 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x3 x3 x3	x_ x_ x_

4 x 4 = 16 4 x 4 = 4 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x4 x4 x4	x_ x_ x_

4 x 5 = 20 4 x 5 = 4 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x5 x5 x5	x_ x_ x_

4 x 6 = 24 4 x 6 = 4 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x6 x6 x6	x_ x_ x_

4 x 7 = 28 4 x 7 = 4 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x7 x7 x7	x_ x_ x_

4 x 8 = 32 4 x 8 = 4 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x8 x8 x8	x_ x_ x_

4 x 9 = 36 4 x 9 = 4 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x9 x9 x9	x_ x_ x_

4 x 10 = 40 4 x 10 = 4 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x10 x10 x10	x_ x_ x_

4 x 11 = 44 4 x 11 = 4 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x11 x11 x11	x_ x_ x_

4 x 12 = 48 4 x 12 = 4 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x12 x12 x12	x_ x_ x_

Talk The Talk 4s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 4

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$4 \times \square = 8$

$3 \times 4 = \square$

$\square \times 5 = 20$

$4 \times 8 = \square$

$12 \times 4 = \square$

$\square \times 4 = 36$

$4 \times \square = 28$

$4 \times 10 = \square$

$4 \times \square = 8$

$4 \times 3 = \square$

$\square \times 11 = 44$

$3 \times 4 = \square$

$4 \times \square = 36$

$6 \times 4 = \square$

$\square \times 5 = 20$

$4 \times 8 = \square$

$$\begin{array}{r} 4 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 36 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 4 \\ \hline \square \end{array}$$

What Is Missing? 4s version 1

name_____

$4 \times \square = 12$

$8 \times 4 = \square$

$\square \times 12 = 48$

$4 \times 8 = \square$

$12 \times 4 = \square$

$\square \times 4 = 36$

$4 \times \square = 28$

$4 \times 10 = \square$

$9 \times \square = 36$

$4 \times 4 = \square$

$\square \times 11 = 44$

$3 \times 4 = \square$

$4 \times \square = 36$

$6 \times 4 = \square$

$\square \times 7 = 28$

$4 \times 11 = \square$

$$\begin{array}{r} 4 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 36 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 4 \\ \times\ 6 \\ \hline \square \end{array}$$

What Is Missing? 4s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 3 = 12	3 + 3 + 3 + 3 = 12
4 x 9 =	
4 x 8 =	
7 x 4 =	
4 x 11 =	
9 x 4 =	
3 x 4 =	
4 x 12 =	
4 x 10 =	

Repeat That? 4s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 9 = 36	9 +9 + 9 + 9 = 36
4 x 7 =	
4 x 4 =	
4 x 12 =	
6 x 4 =	
5 x 4 =	
4 x 10 =	
4 x 9 =	
7 x 4 =	

Repeat That? 4s version 2

www.PEPnonprofit.org

name_____

4 x 8 = □□ = □□ + □	12 x 4 = □□ = □□ + □	4 x 7 = □□ = □□ + □
8 x 4 = □□ = □□ + □	10 x 4 = □□ = □□ + □	4 x 6 = □□ = □□ + □
4 x 5 = □□ = □□ + □	11 x 4 = □□ = □□ + □	4 x 4 = □□ = □□ + □
4 x 6 = □□ = □□ + □	12 x 4 = □□ = □□ + □	4 x 8 = □□ = □□ + □

Expand The Value 4s version 1

name_____

4 x 9 = ☐☐ = ☐☐ + ☐	10 x 4 = ☐☐ = ☐☐ + ☐	4 x 6 = ☐☐ = ☐☐ + ☐
8 x 4 = ☐☐ = ☐☐ + ☐	11 x 4 = ☐☐ = ☐☐ + ☐	4 x 7 = ☐☐ = ☐☐ + ☐
4 x 5 = ☐☐ = ☐☐ + ☐	12 x 4 = ☐☐ = ☐☐ + ☐	2 x 4 = ☐ = ☐
4 x 7 = ☐☐ = ☐☐ + ☐	11 x 4 = ☐☐ = ☐☐ + ☐	4 x 9 = ☐☐ = ☐☐ + ☐

Expand The Value 4s version 2

name_____

4 x 9 =	6 x 4 =	12 x 4 =
4 x 10 =	8 x 4 =	3 x 4 =
10 x 4 =	7 x 4 =	4 x 6 =
4 x 11 =	4 x 8 =	9 x 4 =

Prime Time 4s version 1

name_____

4 x 12 = ☐	9 x 4 = ☐	10 x 4 = ☐
4 x 6 = ☐	8 x 4 = ☐	4 x 4 = ☐
4 x 3 = ☐	7 x 4 = ☐	4 x 12 = ☐
4 x 11 = ☐	4 x 9 = ☐	7 x 4 = ☐

Prime Time 4s version 2

name_____

4 x 6	5 x 4			4 x 2	2 x 4		8 x 4	
		36	24			12		28

	10 x 4	4 x 7		5 x 4	4 x 2	1 x 4	6 x 4	
20			12					24

3 x 4				7 x 4				4 x 9
	28	16	8		36	4	16	

	10 x 4	4 x 7		5 x 4	2 x 4	1 x 4	6 x 4	
44			24					20

3 x 4			4 x 8	5 x 4				3 x 4
	12	4			36	48	40	

Put It All Together 4s version 1

name_____

2 x 4	6 x 4			4 x 2	4 x 7		8 x 4	
		44	24			8		40

	11 x 4	4 x 12		9 x 4	4 x 1	9 x 4	7 x 4	
4			28					48

4 x 9				11 x 4				4 x 8
	12	24	20		44	16	12	

	12 x 4	4 x 8		4 x 3	4 x 8	7 x 4	6 x 4	
24			12					24

2 x 4			4 x 8	5 x 4				4 x 9
	4	40			24	36	44	

Put It All Together 4s version 2

name_____

5 x 4	1 x 4			6 x 4	3 x 4		8 x 4	
		20	12			4		28

	11 x 4	4 x 10		5 x 4	4 x 7	9 x 4	6 x 4	
12			24					32

4 x 9				11 x 4				4 x 4
	12	8	12		24	16	12	

	12 x 4	4 x 5		8 x 4	3 x 4	4 x 2		
32			28				24	16

2 x 4			3 x 4	5 x 4				3 x 4
	28	32			24	28	20	

Put It All Together 4s version 3

5S SECTION

MWM

PEP
www.PEPnonprofit.org

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

Find The Factors 5s

5	10	15	20	25	30
1 x 5					
5 x 1					

35	40	45	50	55	60

name_____

5s version 1

name

30	**2 x 5**	five
50	**6 x 5**	fifteen
10	**5 x 8**	twenty five
15	**9 x 5**	thirty five
25	**1 x 5**	forty five
40	**3 x 5**	fifty five
60	**10 x 5**	sixty
5	**5 x 11**	fifty
45	**4 x 5**	thirty
55	**5 x 12**	forty
20	**7 x 5**	twenty
35	**5 x 5**	ten

Multiplication Match

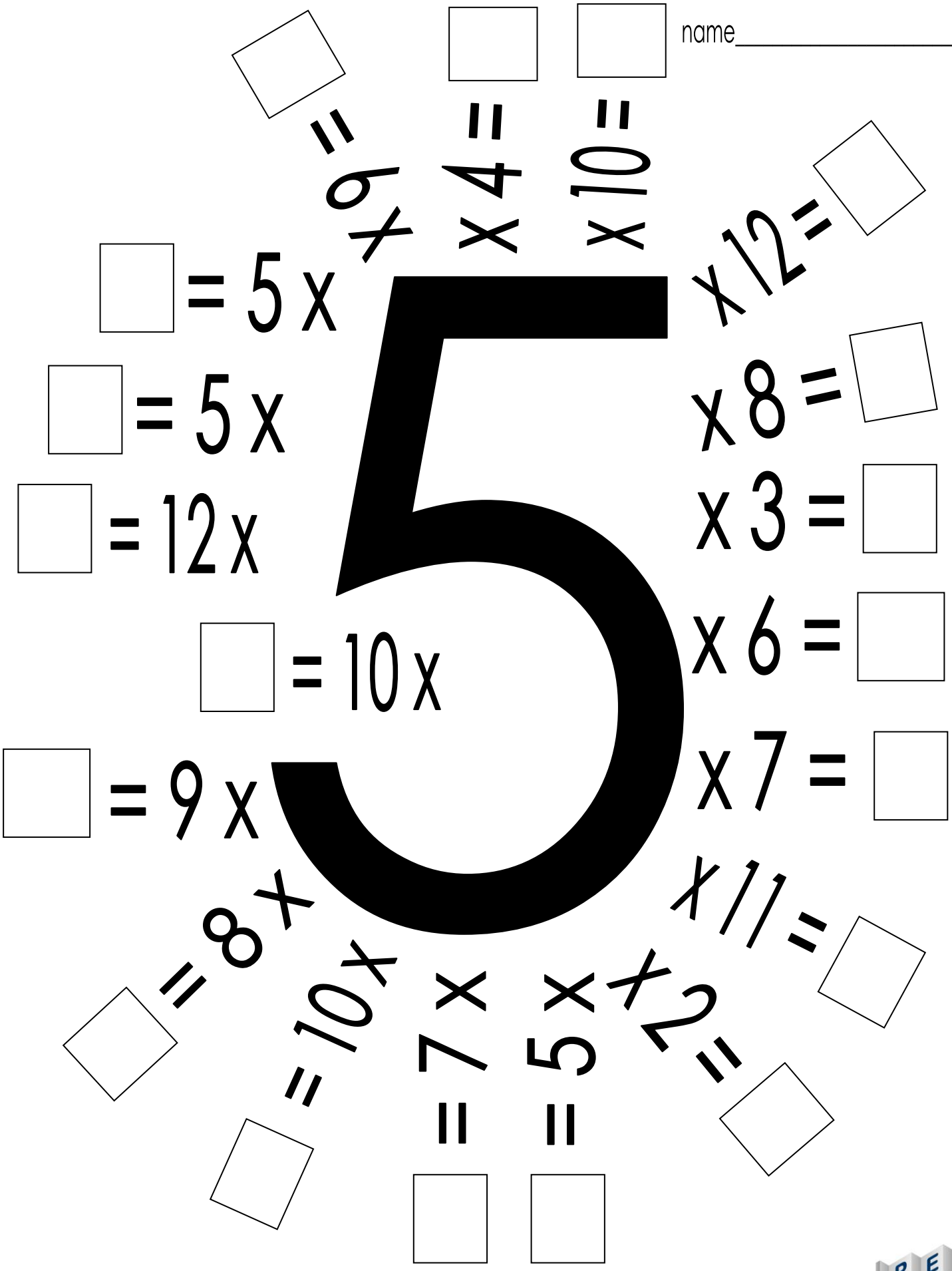
5s version 2

name

60	**5 x 8**	fifty five
5	**9 x 5**	twenty five
55	**2 x 5**	fifteen
10	**12 x 5**	ten
50	**1 x 5**	five
15	**3 x 5**	thirty
45	**11 x 5**	fifty
20	**5 x 10**	sixty
40	**6 x 5**	forty five
25	**4 x 5**	twenty
35	**5 x 5**	forty
30	**5 x 7**	thirty five

Multiplication Match

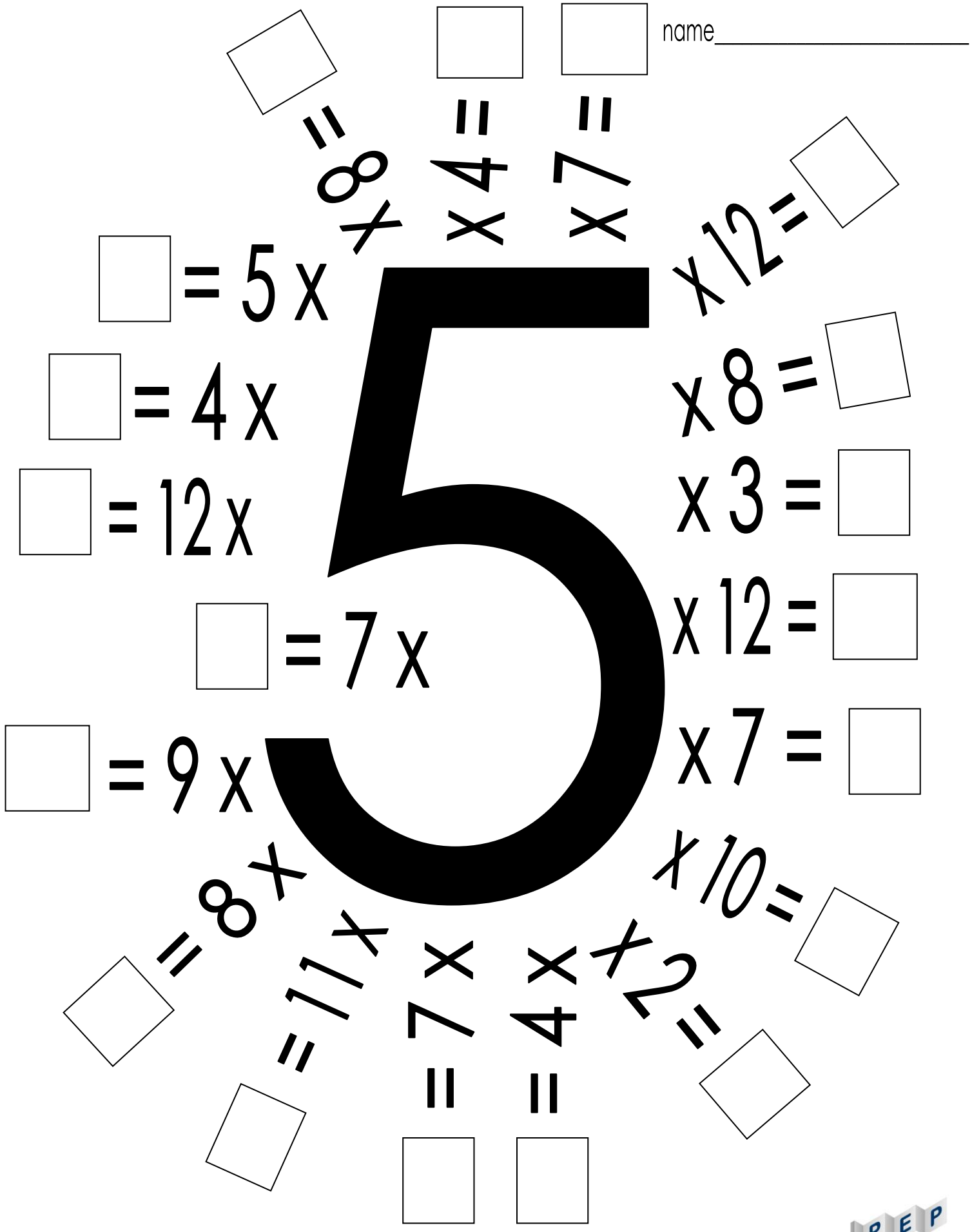
name_____



www.PEPnonprofit.org

Left-Right Write 5s Version 1

name_____



Left-Right Write 5s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 5 peaches in each bag. How many peaches are there in 4 bags?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each book costs $5. How much would 5 books cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Lucy has 9 packs of gum. Each pack holds 5 pieces of gum. How many pieces of gum does Lucy have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 donuts in a box. How many donuts are there in 5 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 5 books. If there are 12 students, how many books are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Eric read 5 books. Each book has 10 pages. How many pages did Eric read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 5s Version 1

name_____

Word Problem?	**Numeric Answer**
Becky buys 7 boxes of cookies. Each box has 5 cookies. How many cookies does Becky have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 8 markers. How many markers do 5 children have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 12 toy cars. If there are 5 boys, how many toy cars are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 5 chocolates in each box. How many chocolates are in 9 boxes?	**Complete Sentence Answer**
	Visual Answer

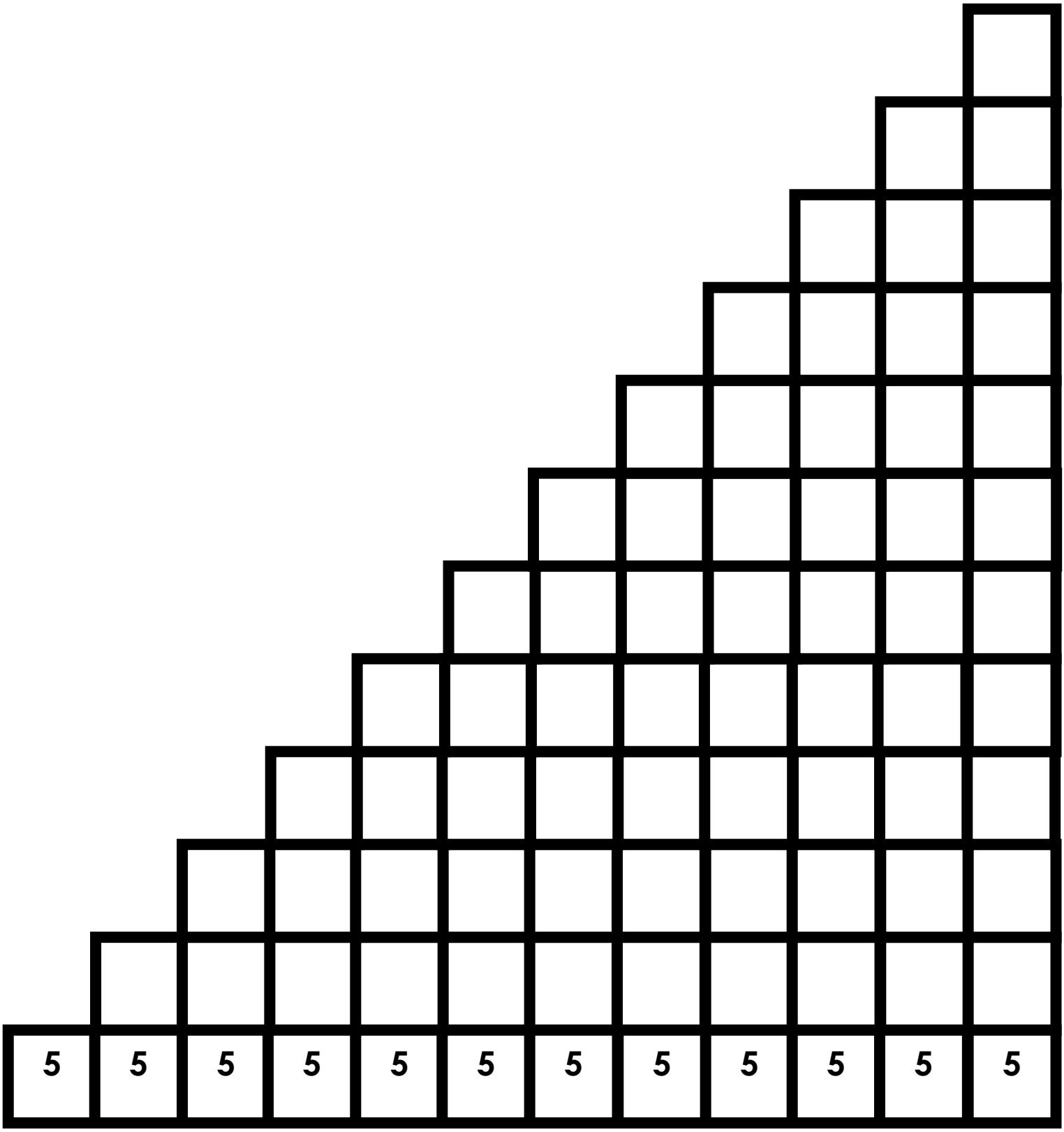
Word Problem?	**Numeric Answer**
Gwyneth has 5 boxes of chalk. If each box has 6 pieces of chalk, how many pieces are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Alie buys 11 packs of gum. Each pack of gum has 5 pieces in it. How many pieces of gum does Allie have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 5s version 2

name_____

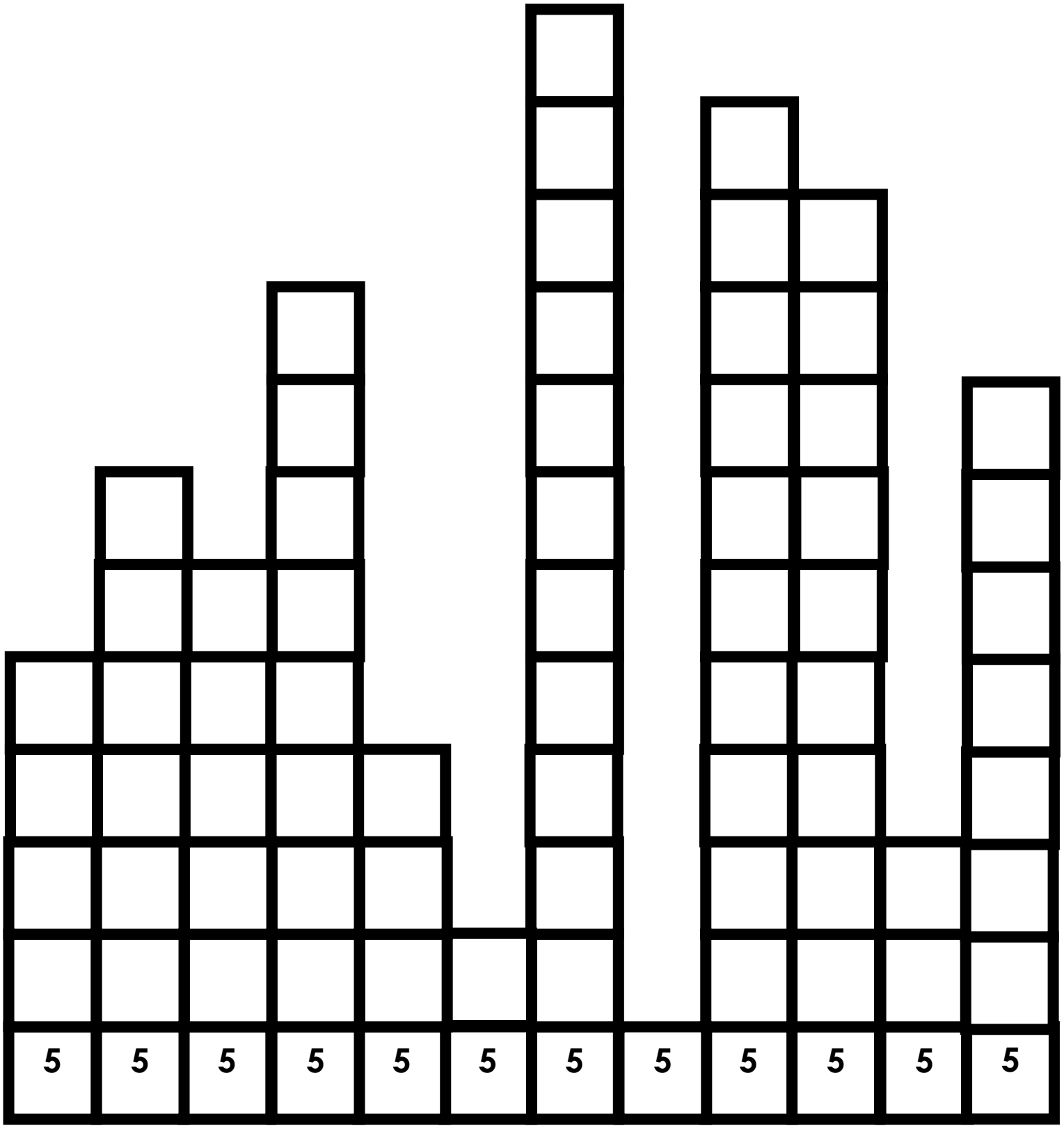
Stair Steps 5s version 1



1x5	2x5	3x5	4x5	5x5	6x5	7x5	8x5	9x5	10x5	11x5	12x5

name_____

Stair Steps 5s version 2



5x5	7x5	6x5	9x5	4x5	2x5	12x5	1x5	11x5	10x5	3x5	8x5

name_____

3 x 5 = 15 3 x 5 = 3 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x5 x5 x5	x_ x_ x_

4 x 5 = 20 4 x 5 = 4 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x5 x5 x5	x_ x_ x_

5 x 5 = 25 5 x 5 = 5 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x5 x5 x5	x_ x_ x_

6 x 5 = 30 6 x 5 = 6 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x5 x5 x5	x_ x_ x_

7 x 5 = 35 7 x 5 = 7 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x5 x5 x5	x_ x_ x_

8 x 5 = 40 8 x 5 = 8 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x5 x5 x5	x_ x_ x_

9 x 5 = 45 9 x 5 = 9 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x5 x5 x5	x_ x_ x_

10 x 5 = 50 10 x 5 = 10 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x5 x5 x5	x_ x_ x_

11 x 5 = 55 11 x 5 = 11 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x5 x5 x5	x_ x_ x_

12 x 5 = 60 12 x 5 = 12 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x5 x5 x5	x_ x_ x_

Talk The Talk 5s version 1

name_____

5 x 3 = 15 5 x 3 = 5 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x3 x3 x3	x_ x_ x_
5 x 4 = 20 5 x 4 = 5 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x4 x4 x4	x_ x_ x_
5 x 5 = 25 5 x 5 = 5 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x5 x5 x5	x_ x_ x_
5 x 6 = 30 5 x 6 = 5 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x6 x6 x6	x_ x_ x_
5 x 7 = 35 5 x 7 = 5 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x7 x7 x7	x_ x_ x_
5 x 8 = 40 5 x 8 = 5 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x8 x8 x8	x_ x_ x_
5 x 9 = 45 5 x 9 = 5 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x9 x9 x9	x_ x_ x_
5 x 10 = 50 5 x 10 = 5 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x10 x10 x10	x_ x_ x_
5 x 11 = 55 5 x 11 = 5 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x11 x11 x11	x_ x_ x_
5 x 12 = 60 5 x 12 = 5 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x12 x12 x12	x_ x_ x_

Talk The Talk 5s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 5

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$5 \times \square = 10$

$5 \times 4 = \square$

$\square \times 5 = 25$

$5 \times 8 = \square$

$12 \times 5 = \square$

$\square \times 5 = 45$

$5 \times \square = 35$

$5 \times 10 = \square$

$5 \times \square = 10$

$5 \times 3 = \square$

$\square \times 11 = 55$

$3 \times 5 = \square$

$5 \times \square = 45$

$6 \times 5 = \square$

$\square \times 5 = 25$

$5 \times 8 = \square$

$$\begin{array}{r} 5 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 45 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 5s version 1

name_____

$5 \times \square = 15$

$8 \times 5 = \square$

$\square \times 12 = 60$

$5 \times 8 = \square$

$12 \times 5 = \square$

$\square \times 5 = 45$

$5 \times \square = 35$

$5 \times 10 = \square$

$9 \times \square = 45$

$5 \times 4 = \square$

$\square \times 11 = 55$

$3 \times 5 = \square$

$5 \times \square = 45$

$6 \times 5 = \square$

$\square \times 7 = 35$

$5 \times 11 = \square$

$$\begin{array}{r} 5 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 45 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 6 \\ \hline \square \end{array}$$

What Is Missing? 5s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 5 = 20	5 + 5 + 5 + 5 = 20
5 x 9 =	
5 x 8 =	
7 x 5 =	
5 x 11 =	
9 x 5 =	
3 x 5 =	
5 x 12 =	
5 x 10 =	

Repeat That? 5s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
5 x 9 = 45	9 + 9 +9 + 9 + 9 = 45
5 x 7 =	
4 x 5 =	
5 x 12 =	
6 x 5 =	
5 x 5 =	
5 x 10 =	
5 x 9 =	
7 x 5 =	

Repeat That? 5s version 2

www.PEPnonprofit.org

name_____

5 x 8 = ☐☐ = ☐☐ + ☐	12 x 5 = ☐☐ = ☐☐ + ☐	5 x 7 = ☐☐ = ☐☐ + ☐
8 x 5 = ☐☐ = ☐☐ + ☐	10 x 5 = ☐☐ = ☐☐ + ☐	5 x 6 = ☐☐ = ☐☐ + ☐
5 x 5 = ☐☐ = ☐☐ + ☐	11 x 5 = ☐☐ = ☐☐ + ☐	4 x 5 = ☐☐ = ☐☐ + ☐
5 x 6 = ☐☐ = ☐☐ + ☐	12 x 5 = ☐☐ = ☐☐ + ☐	5 x 8 = ☐☐ = ☐☐ + ☐

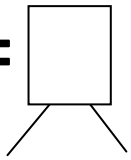
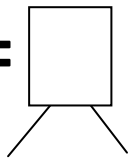
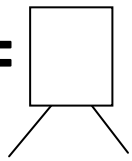
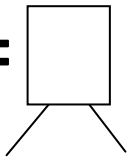
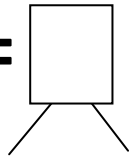
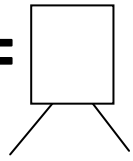
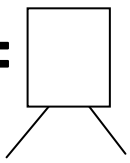
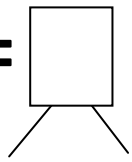
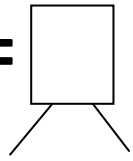
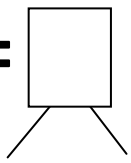
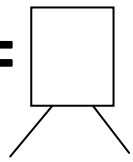
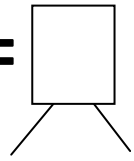
Expand The Value 5s version 1

name_____

5 x 9 = ☐☐ + ☐	10 x 5 = ☐☐ + ☐	5 x 6 = ☐☐ + ☐
8 x 5 = ☐☐ + ☐	11 x 5 = ☐☐ + ☐	5 x 7 = ☐☐ + ☐
4 x 5 = ☐☐ + ☐	12 x 5 = ☐☐ + ☐	5 x 11 = ☐☐ + ☐
5 x 7 = ☐☐ + ☐	11 x 5 = ☐☐ + ☐	5 x 9 = ☐☐ + ☐

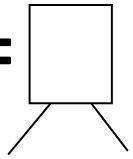
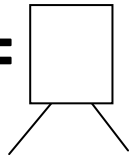
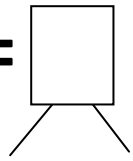
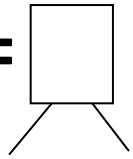
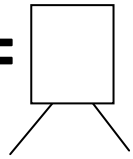
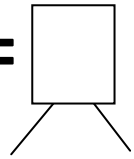
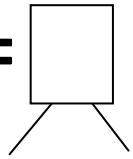
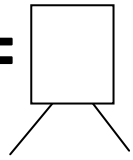
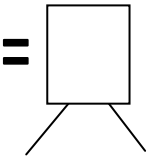
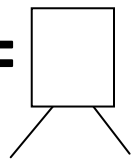
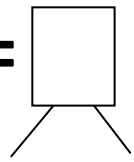
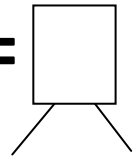
Expand The Value 5s version 2

name_____

5 x 9 = 	6 x 5 = 	12 x 5 = 
5 x 10 = 	8 x 5 = 	3 x 5 = 
10 x 5 = 	7 x 5 = 	5 x 6 = 
5 x 11 = 	5 x 8 = 	9 x 5 = 

Prime Time 5s version 1

name_____

5 x 12 = 	9 x 5 = 	10 x 5 = 
5 x 6 = 	8 x 5 = 	5 x 4 = 
5 x 3 = 	7 x 5 = 	5 x 12 = 
5 x 11 = 	5 x 9 = 	7 x 5 = 

Prime Time 5s version 2

name_____

5 x 6	5 x 4			5 x 2	2 x 5		8 x 5	
		45	25			15		35

	10 x 5	5 x 7		5 x 4	5 x 2	1 x 5	6 x 5	
20			20					40

3 x 5				7 x 5				5 x 9
	35	20	10		35	40	20	

	10 x 5	5 x 7		5 x 4	2 x 5	1 x 5	6 x 5	
55			30					20

3 x 5			5 x 8	5 x 5				3 x 5
	20	5			45	60	50	

Put It All Together 5s version 1

name_____

5 x 4	6 x 5			5 x 2	5 x 7		8 x 5	
		55	30			10		40

	11 x 5	5 x 12		9 x 5	5 x 1	9 x 5	7 x 5	
5			35					60

5 x 9				11 x 5				5 x 8
	35	45	20		60	20	15	

	12 x 5	5 x 8		5 x 3	5 x 8	7 x 5	6 x 5	
35			15					30

2 x 5			5 x 8	5 x 4				5 x 9
	5	40			30	45	55	

Put It All Together 5s version 2

name_____

5 x 4	1 x 5			6 x 5	3 x 5		8 x 5	
		20	15			5		35

	11 x 5	5 x 10		5 x 4	5 x 7	5 x 9	6 x 5	
15			35					40

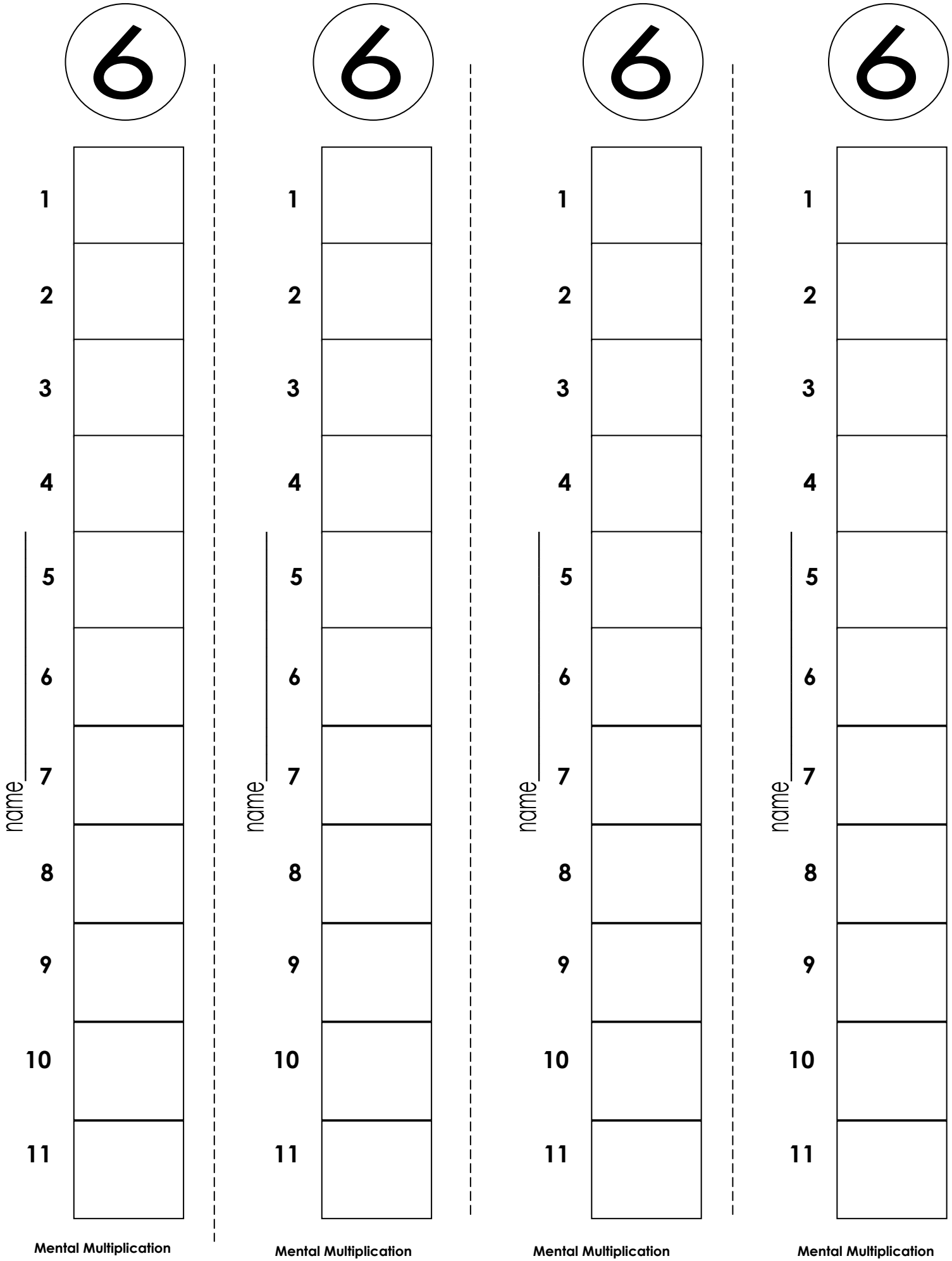
5 x 9				11 x 5				4 x 5
	15	10	60		25	20	50	

	12 x 5	4 x 5		8 x 5	3 x 5	5 x 2		
40			25				60	55

2 x 5			3 x 5	5 x 4				3 x 5
	35	40			45	35	20	

Put It All Together 5s version 3

6S SECTION


6
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
6
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
6
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
6
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication

Find The Factors 6s

6	12	18	24	30	36
1 x 6					
6 x 1					
2 x 3					
3 x 2					

42	48	54	60	66	72

name_____

6s version 1

name

36	**2 x 6**	twelve
24	**6 x 6**	eighteen
12	**6 x 8**	thirty
18	**9 x 6**	thirty six
30	**1 x 6**	sixty
54	**3 x 6**	fifty four
60	**10 x 6**	sixty six
6	**6 x 11**	six
42	**4 x 6**	twenty four
48	**6 x 12**	forty two
66	**7 x 6**	forty eight
72	**5 x 6**	seventy two

Multiplication Match

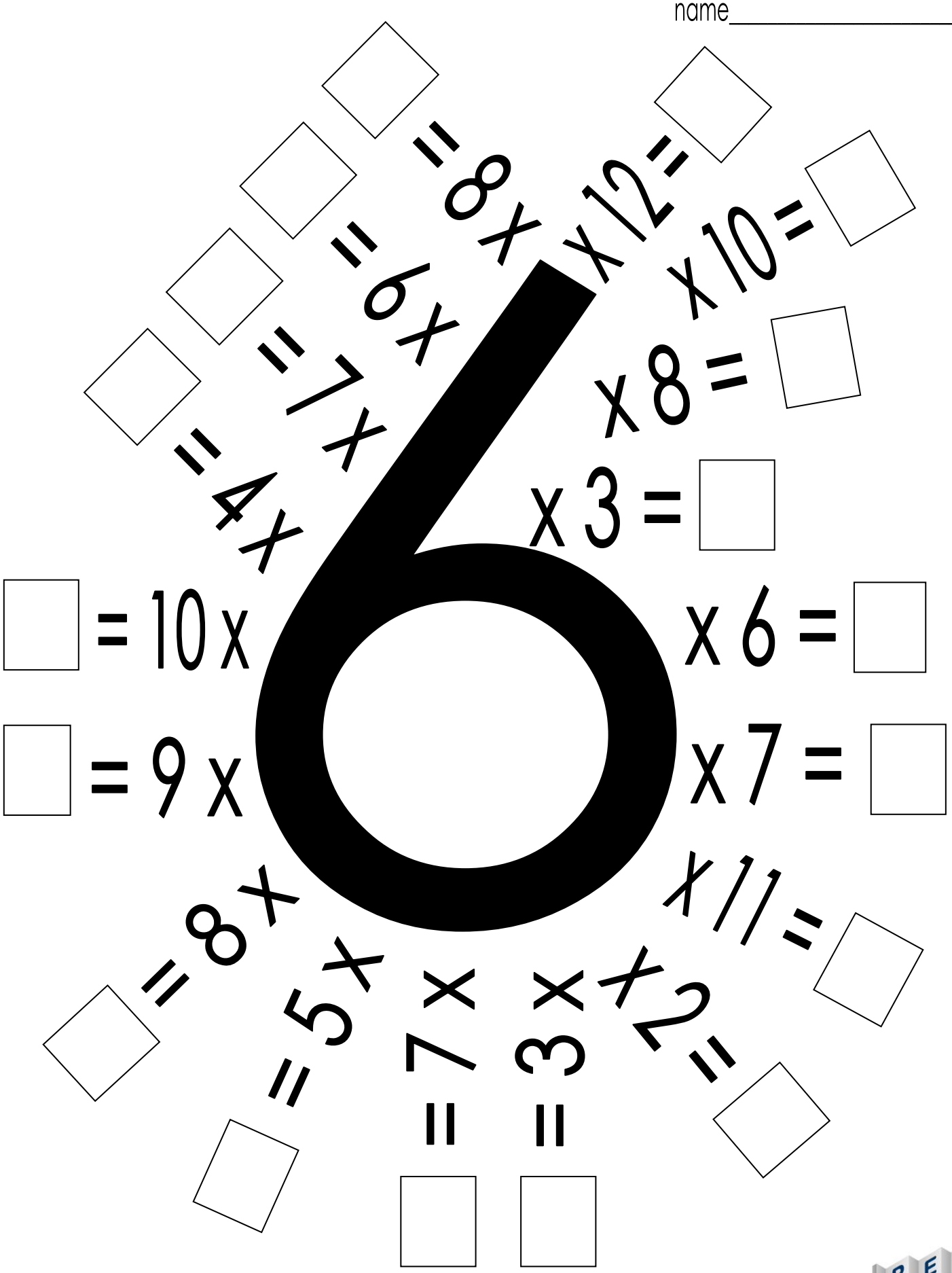
6s version 2

name

48	**6 x 8**	sixty six
6	**9 x 6**	thirty
66	**2 x 6**	eighteen
12	**12 x 6**	twelve
60	**1 x 6**	six
18	**3 x 6**	seventy two
54	**11 x 6**	sixty
24	**6 x 10**	twenty four
42	**6 x 6**	thirty six
30	**4 x 6**	forty two
36	**5 x 6**	fifty four
72	**6 x 7**	forty eight

Multiplication Match

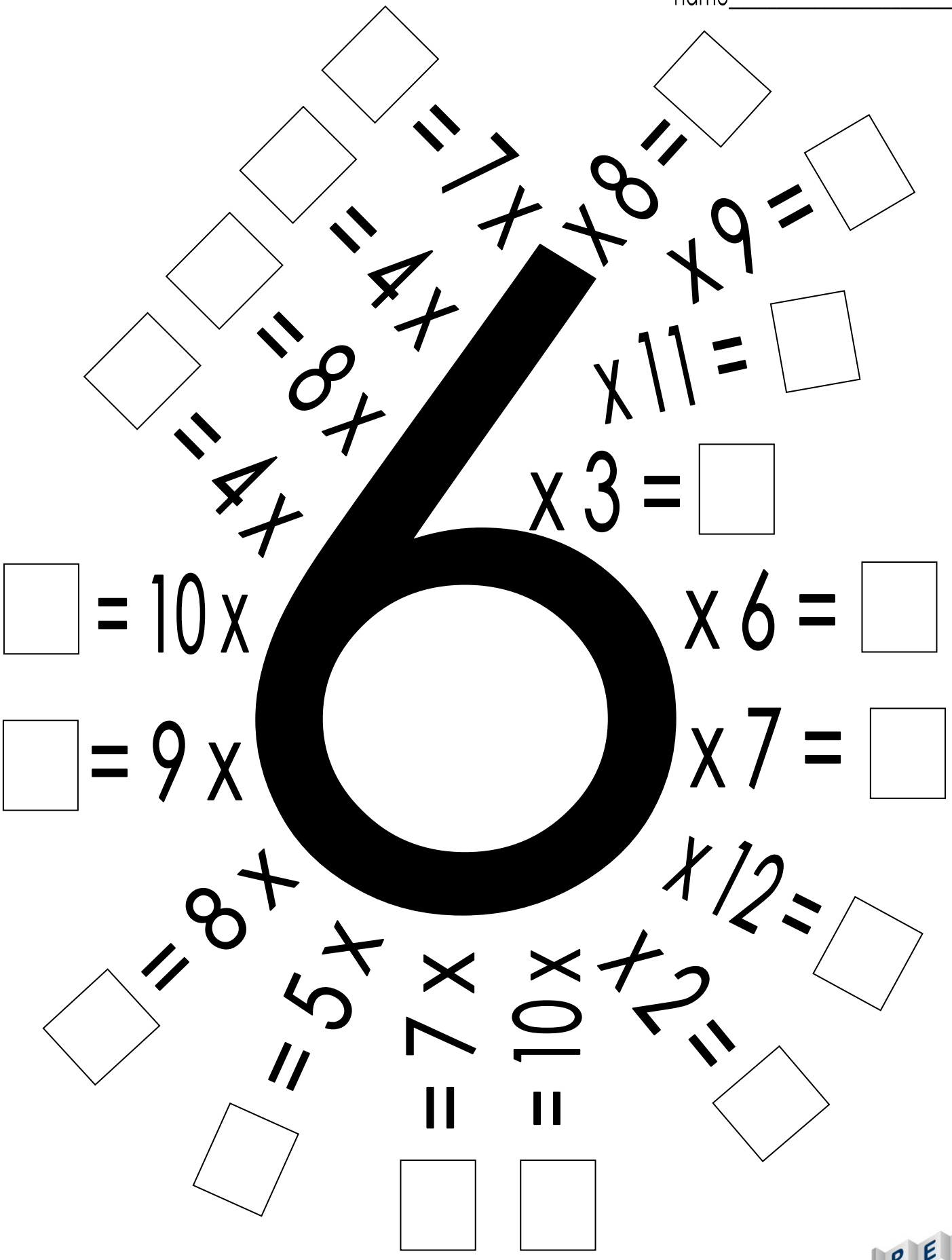
name_____



www.PEPnonprofit.org

Left-Right Write 6s Version 1

name_____



Left-Right Write 6s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 6 sodas in each package. How many sodas are there in 7 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each t-shirt costs $12. How much would 6 - shirts cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Lars has 10 packs of gum. Each pack holds 6 pieces. How many pieces of gum does Lars have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 bracelets in a box. How many bracelets are there in 6 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 6 baseball bats. If there are 9 boys, how many baseball bats are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Jenny read 6 books. Each book has 11 pages. How many pages did Jenny read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 6s Version 1

name_____

Word Problem?	**Numeric Answer**
Jen buys 7 boxes of cookies. Each box has 6 cookies. How many cookies does Jen have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 8 books. How many books do 6 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each girl has 12 hair ribbons. If there are 6 girls, how many hair ribbons are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 6 mints in each box. How many mints are in 9 boxes?	**Complete Sentence Answer**
	Visual Answer

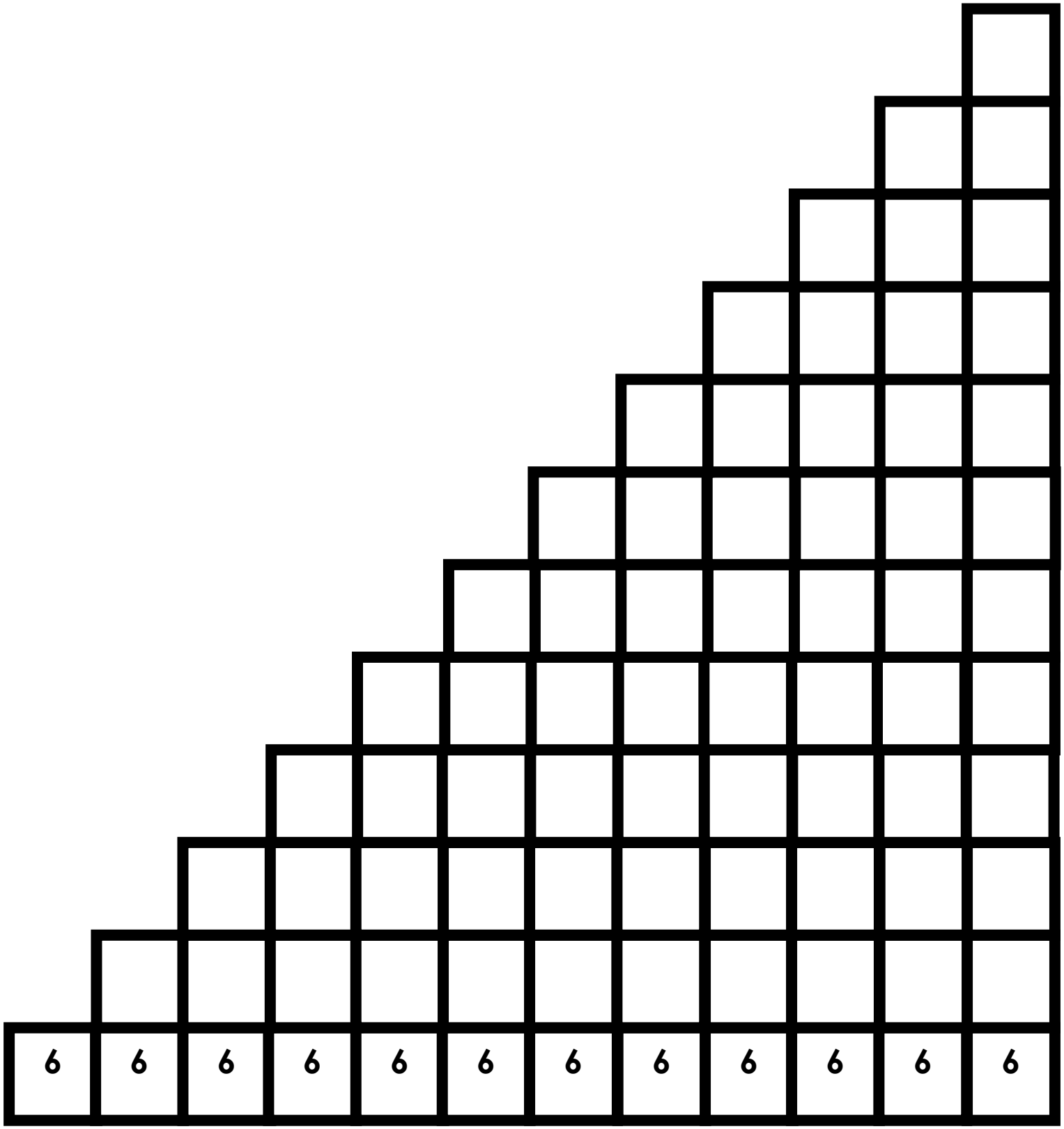
Word Problem?	**Numeric Answer**
James has 4 boxes of markers. If each box has 6 markers, how many markers are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Stu buys 11 packs of stamps. Each pack has 6 stamps in it. How many stamps does Stu have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 6s version 2

name_____

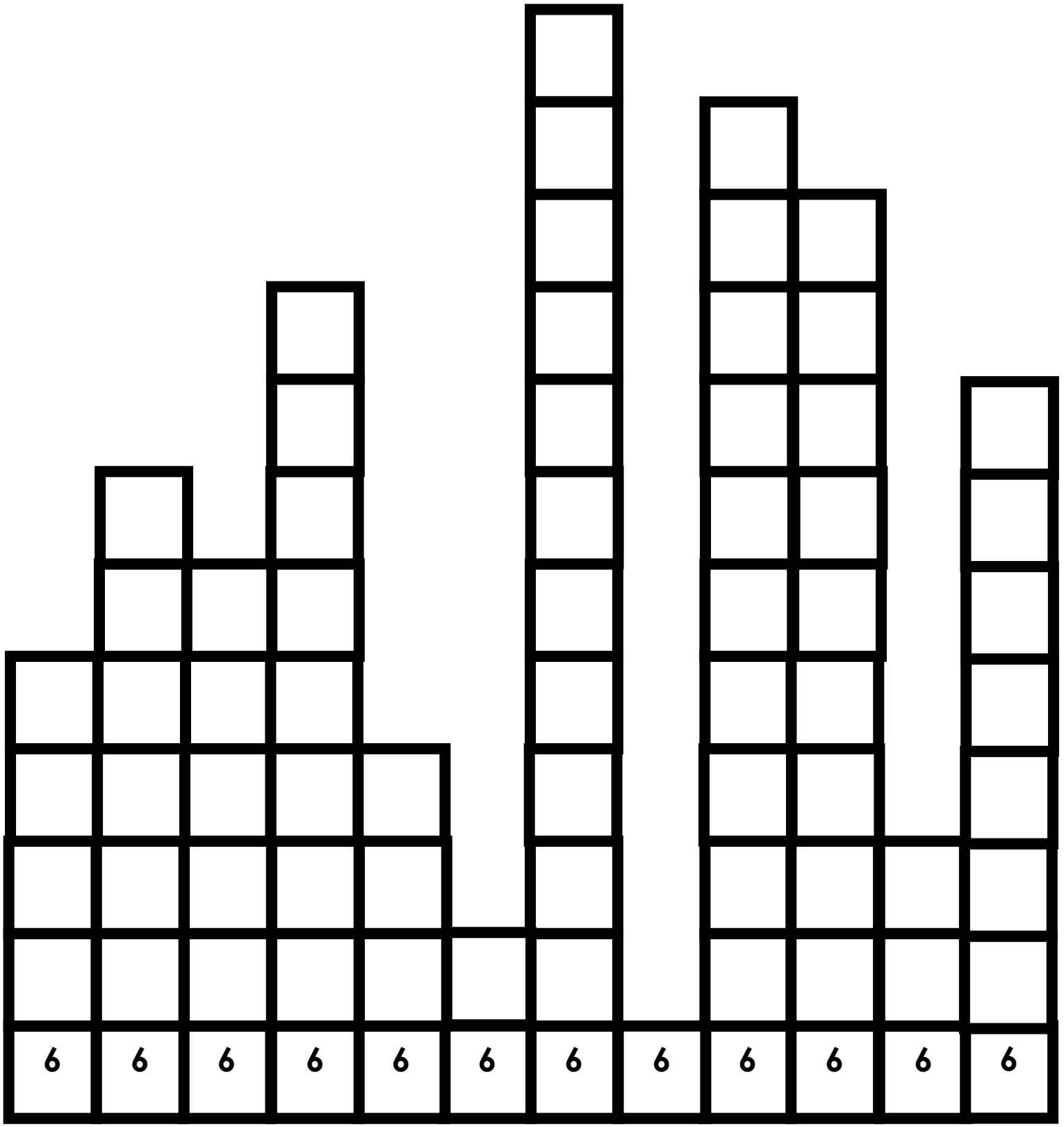
Stair Steps 6s version 1



1x6	2x6	3x6	4x6	5x6	6x6	7x6	8x6	9x6	10x6	11x6	12x6

name_____

Stair Steps 6s version 2



5x6	7x6	6x6	9x6	4x6	2x6	12x6	1x6	11x6	10x6	3x6	8x6

name_____

3 x 6 = 18 3 x 6 = 3 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x6 x6 x6	x_ x_ x_
4 x 6 = 24 4 x 6 = 4 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x6 x6 x6	x_ x_ x_
5 x 6 = 30 5 x 6 = 5 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x6 x6 x6	x_ x_ x_
6 x 6 = 36 6 x 6 = 6 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x6 x6 x6	x_ x_ x_
7 x 6 = 42 7 x 6 = 7 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x6 x6 x6	x_ x_ x_
8 x 6 = 48 8 x 6 = 8 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x6 x6 x6	x_ x_ x_
9 x 6 = 54 9 x 6 = 9 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x6 x6 x6	x_ x_ x_
10 x 6 = 60 10 x 6 = 10 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x6 x6 x6	x_ x_ x_
11 x 6 = 66 11 x 6 = 11 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x6 x6 x6	x_ x_ x_
12 x 6 = 72 12 x 6 = 12 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x6 x6 x6	x_ x_ x_

Talk The Talk 6s version 1

name_____

6 x 3 = 18 6 x 3 = 6 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x3 x3 x3	x_ x_ x_

6 x 4 = 24 6 x 4 = 6 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x4 x4 x4	x_ x_ x_

6 x 5 = 30 6 x 5 = 6 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x5 x5 x5	x_ x_ x_

6 x 6 = 36 6 x 6 = 6 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x6 x6 x6	x_ x_ x_

6 x 7 = 42 6 x 7 = 6 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x7 x7 x7	x_ x_ x_

6 x 8 = 48 6 x 8 = 6 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x8 x8 x8	x_ x_ x_

6 x 9 = 54 6 x 9 = 6 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x9 x9 x9	x_ x_ x_

6 x 10 = 60 6 x 10 = 6 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x10 x10 x10	x_ x_ x_

6 x 11 = 66 6 x 11 = 6 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x11 x11 x11	x_ x_ x_

6 x 12 = 72 6 x 12 = 6 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x12 x12 x12	x_ x_ x_

Talk The Talk 6s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 6

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$6 \times \square = 12$

$5 \times 6 = \square$

$\square \times 5 = 30$

$6 \times 8 = \square$

$12 \times 6 = \square$

$\square \times 6 = 54$

$6 \times \square = 42$

$6 \times 10 = \square$

$6 \times \square = 12$

$6 \times 3 = \square$

$\square \times 11 = 66$

$3 \times 6 = \square$

$6 \times \square = 54$

$6 \times 6 = \square$

$\square \times 7 = 42$

$6 \times 8 = \square$

$$\begin{array}{r} 6 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 54 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 6 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 6s version 1

name_____

$6 \times \square = 18$

$8 \times 6 = \square$

$\square \times 12 = 72$

$6 \times 8 = \square$

$12 \times 6 = \square$

$\square \times 6 = 54$

$6 \times \square = 42$

$6 \times 10 = \square$

$9 \times \square = 54$

$6 \times 4 = \square$

$\square \times 11 = 66$

$3 \times 6 = \square$

$6 \times \square = 54$

$6 \times 6 = \square$

$\square \times 7 = 42$

$6 \times 11 = \square$

$$\begin{array}{r} 6 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 54 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 6 \\ \times\ 6 \\ \hline \square \end{array}$$

What Is Missing? 6s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 6 = 24	6 + 6 + 6 + 6 = 24
6 x 9 =	
6 x 8 =	
7 x 6 =	
6 x 11 =	
9 x 6 =	
3 x 6 =	
6 x 12 =	
6 x 10 =	

Repeat That? 6s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
6 x 9 = 54	9 + 9 + 9 +9 + 9 + 9 = 54
6 x 7 =	
4 x 6 =	
6 x 12 =	
6 x 6 =	
6 x 5 =	
6 x 10 =	
6 x 9 =	
7 x 6 =	

Repeat That? 6s version 2

www.PEPnonprofit.org

name_____

6 x 8 = ☐☐ = ☐☐ + ☐	12 x 6 = ☐☐ = ☐☐ + ☐	6 x 7 = ☐☐ = ☐☐ + ☐
8 x 6 = ☐☐ = ☐☐ + ☐	10 x 6 = ☐☐ = ☐☐ + ☐	5 x 6 = ☐☐ = ☐☐ + ☐
6 x 6 = ☐☐ = ☐☐ + ☐	11 x 6 = ☐☐ = ☐☐ + ☐	4 x 6 = ☐☐ = ☐☐ + ☐
5 x 6 = ☐☐ = ☐☐ + ☐	12 x 6 = ☐☐ = ☐☐ + ☐	6 x 8 = ☐☐ = ☐☐ + ☐

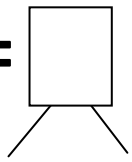
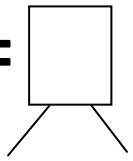
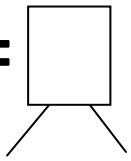
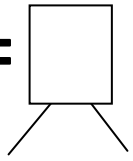
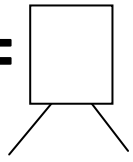
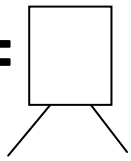
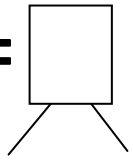
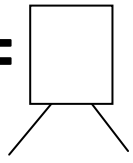
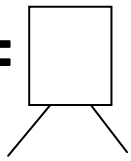
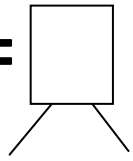
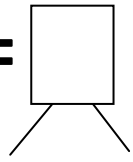
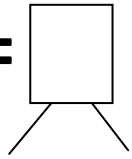
Expand The Value 6s version 1

name_____

6 x 9 = ☐☐ = ☐☐ + ☐	10 x 6 = ☐☐ = ☐☐ + ☐	5 x 6 = ☐☐ = ☐☐ + ☐
8 x 6 = ☐☐ = ☐☐ + ☐	11 x 6 = ☐☐ = ☐☐ + ☐	6 x 7 = ☐☐ = ☐☐ + ☐
4 x 6 = ☐☐ = ☐☐ + ☐	12 x 6 = ☐☐ = ☐☐ + ☐	6 x 11 = ☐☐ = ☐☐ + ☐
6 x 7 = ☐☐ = ☐☐ + ☐	11 x 6 = ☐☐ = ☐☐ + ☐	6 x 9 = ☐☐ = ☐☐ + ☐

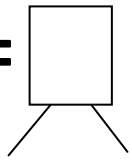
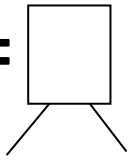
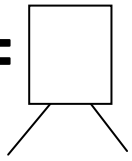
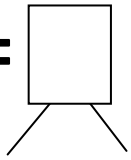
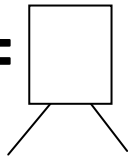
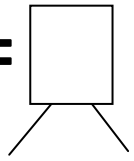
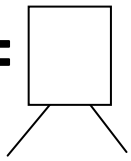
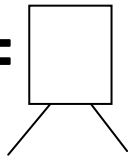
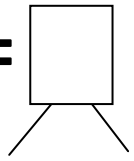
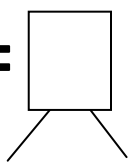
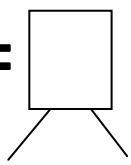
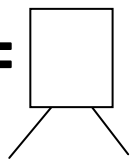
Expand The Value 6s version 2

name_____

6 x 9 = 	6 x 5 = 	12 x 6 = 
6 x 10 = 	8 x 6 = 	3 x 6 = 
10 x 6 = 	7 x 6 = 	6 x 6 = 
6 x 11 = 	6 x 8 = 	9 x 6 = 

Prime Time 6s version 1

name_____

6 x 12 = 	9 x 6 = 	10 x 6 = 
6 x 6 = 	8 x 6 = 	6 x 4 = 
6 x 3 = 	7 x 6 = 	6 x 12 = 
6 x 11 = 	6 x 9 = 	7 x 6 = 

Prime Time 6s version 2

name_____

5 x 6	6 x 4			6 x 2	2 x 6		8 x 6	
		54	36			18		54

	10 x 6	6 x 7		6 x 4	6 x 2	1 x 6	6 x 6	
24			30					42

6 x 5				7 x 6				6 x 9
	42	24	12		6	48	66	

	10 x 6	6 x 7		6 x 4	2 x 6	1 x 6	6 x 5	
60			36					18

3 x 6			6 x 8	6 x 5				3 x 6
	24	6			72	60	72	

Put It All Together 6s version 1

name_____

6 x 4	6 x 6			6 x 2	6 x 7		8 x 6	
		66	36			12		42

	11 x 6	6 x 12		9 x 6	6 x 1	9 x 2	7 x 6	
6			30					60

6 x 9				11 x 6				6 x 8
	72	54	24		60	24	66	

	12 x 6	6 x 8		6 x 3	6 x 8	7 x 6	6 x 6	
42			18					36

2 x 6			6 x 8	6 x 4				6 x 9
	6	48			36	54	72	

Put It All Together 6s version 2

name_____

6 x 4	1 x 6			6 x 5	3 x 6		8 x 6	
		30	18			6		36

	11 x 6	6 x 10		6 x 4	6 x 7	6 x 9	6 x 6	
12			36					42

6 x 9				11 x 6				4 x 6
	18	12	60		36	24	72	

	12 x 6	4 x 6		8 x 6	3 x 6	6 x 2		
48			24				60	66

2 x 6			3 x 6	6 x 4				3 x 6
	42	48			54	54	18	

Put It All Together 6s version 3

7S SECTION

MWM

PEP
www.PEPnonprofit.org

1
2
3
4
5
6
7
8
9
10
11

name _____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name _____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name _____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name _____

Mental Multiplication

Find The Factors 7s

7	14	21	28	35	42
1 x 7 7 x 1					

49	56	63	70	77	84

name_____

7s version 1

name

14	**2 x 7**	twenty one
28	**6 x 7**	fifty six
42	**7 x 8**	fourteen
56	**9 x 7**	sixty three
70	**1 x 7**	seventy seven
84	**3 x 7**	seven
77	**10 x 7**	eighty four
63	**7 x 11**	forty two
49	**4 x 7**	forty nine
35	**7 x 12**	twenty eight
21	**7 x 7**	thirty five
7	**5 x 7**	seventy

Multiplication Match

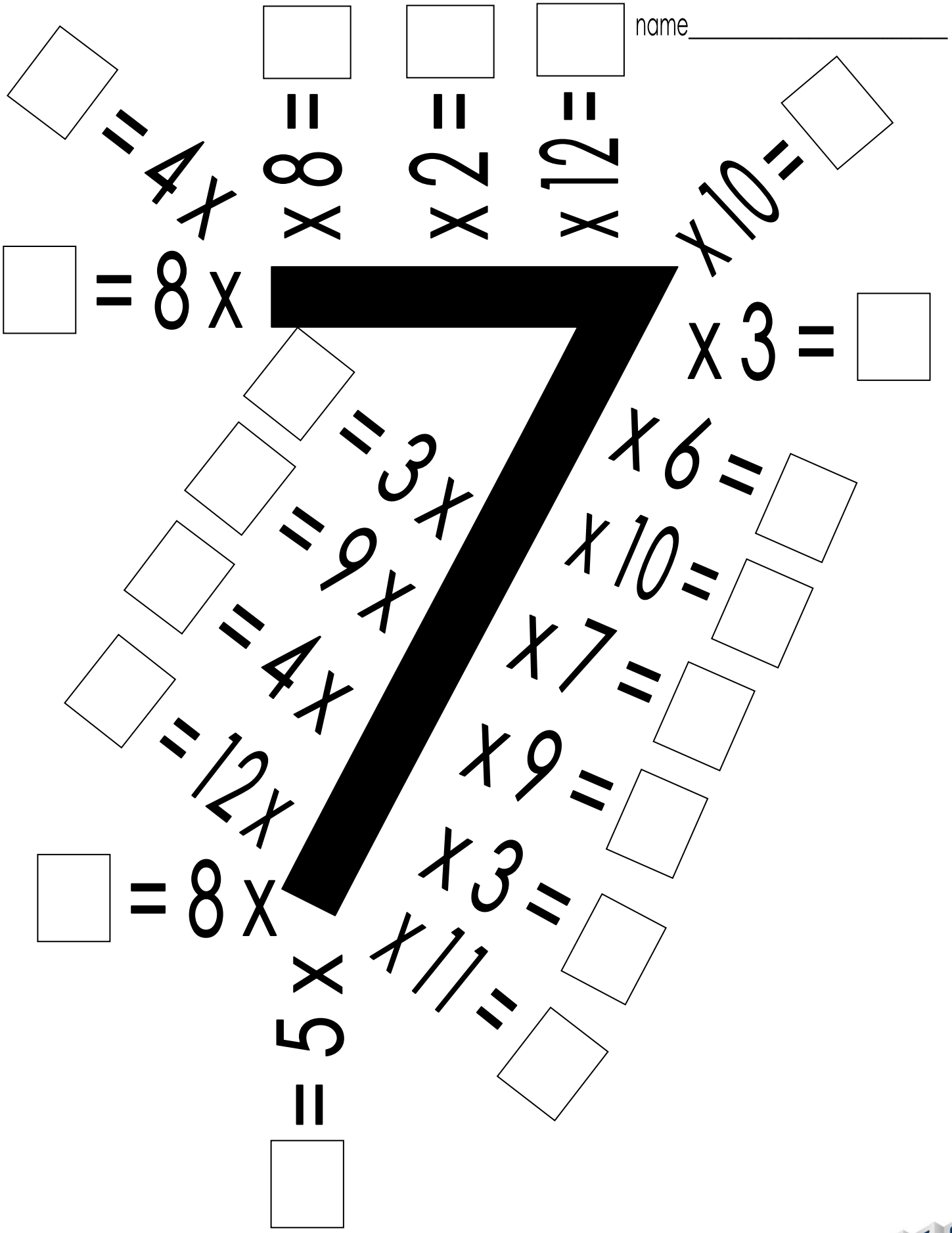
7s version 2

name

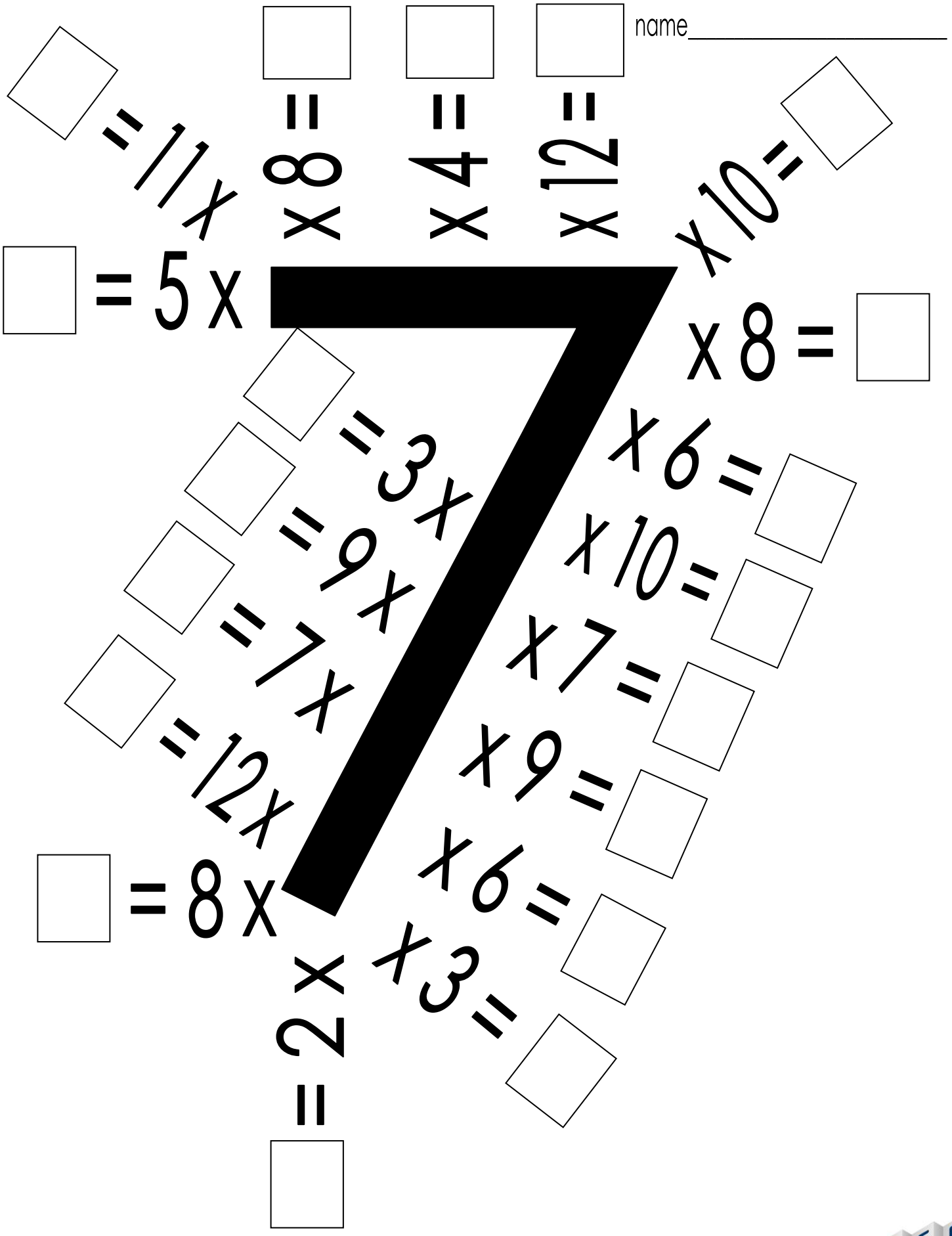
77	**7 x 8**	sixty three
21	**9 x 7**	twenty eight
49	**2 x 7**	eighty four
7	**12 x 7**	seven
84	**1 x 7**	forty nine
14	**3 x 7**	seventy seven
70	**11 x 7**	fourteen
35	**7 x 10**	forty two
28	**7 x 6**	seventy
63	**4 x 7**	twenty one
42	**5 x 7**	thirty five
56	**7 x 7**	fifty six

Multiplication Match

name_____



Left-Right Write 7s Version 1



www.PEPnonprofit.org

Left-Right Write 7s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 7 light bulbs in each package. How many light bulbs are there in 7 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each video game costs $12. How much would 7 video games cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Devin has 10 packs of stamps. Each pack holds 7 stamps. How many total stamps does Devin have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 donuts in a box. How many donuts are there in 7 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 7 coins. If there are 9 boys, how many coins are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Bryan read 7 books. Each book has 11 pages. How many pages did Bryan read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 7s Version 1

name_____

Word Problem?	**Numeric Answer**
Max buys 7 boxes of chocolates. Each box has 7 chocolates. How many chocolates does Max have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 8 markers. How many markers do 7 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 12 toy cars. If there are 7 boys, how many toy cars are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 7 marbles in each box. How many marbles are in 9 boxes?	**Complete Sentence Answer**
	Visual Answer

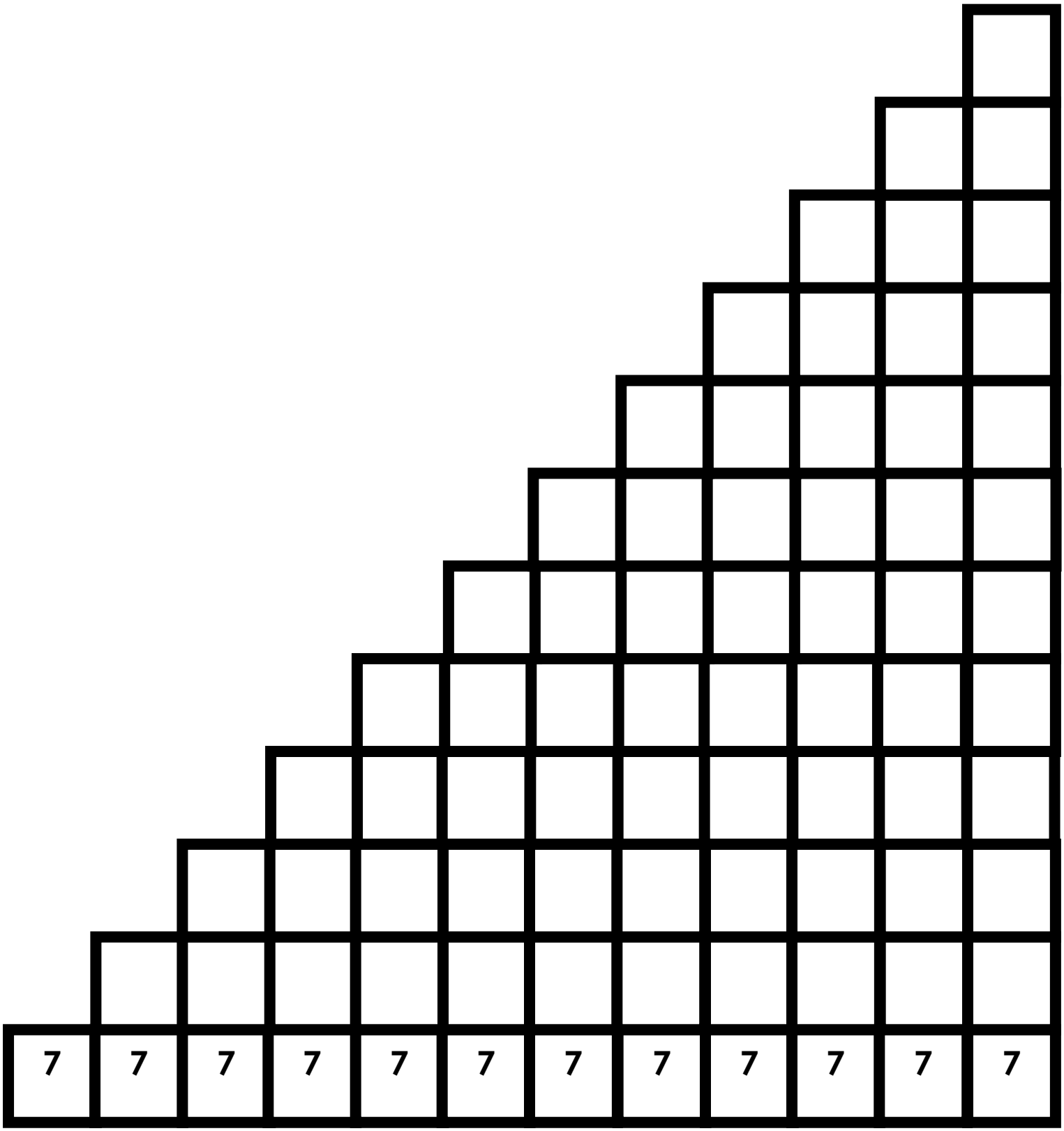
Word Problem?	**Numeric Answer**
Steve has 4 boxes of muffins. If each box has 7 muffins, how many muffins are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Esme buys 11 packs of cookies. Each pack has 7 cookies in it. How many cookies does Esme have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 7s version 2

name_____

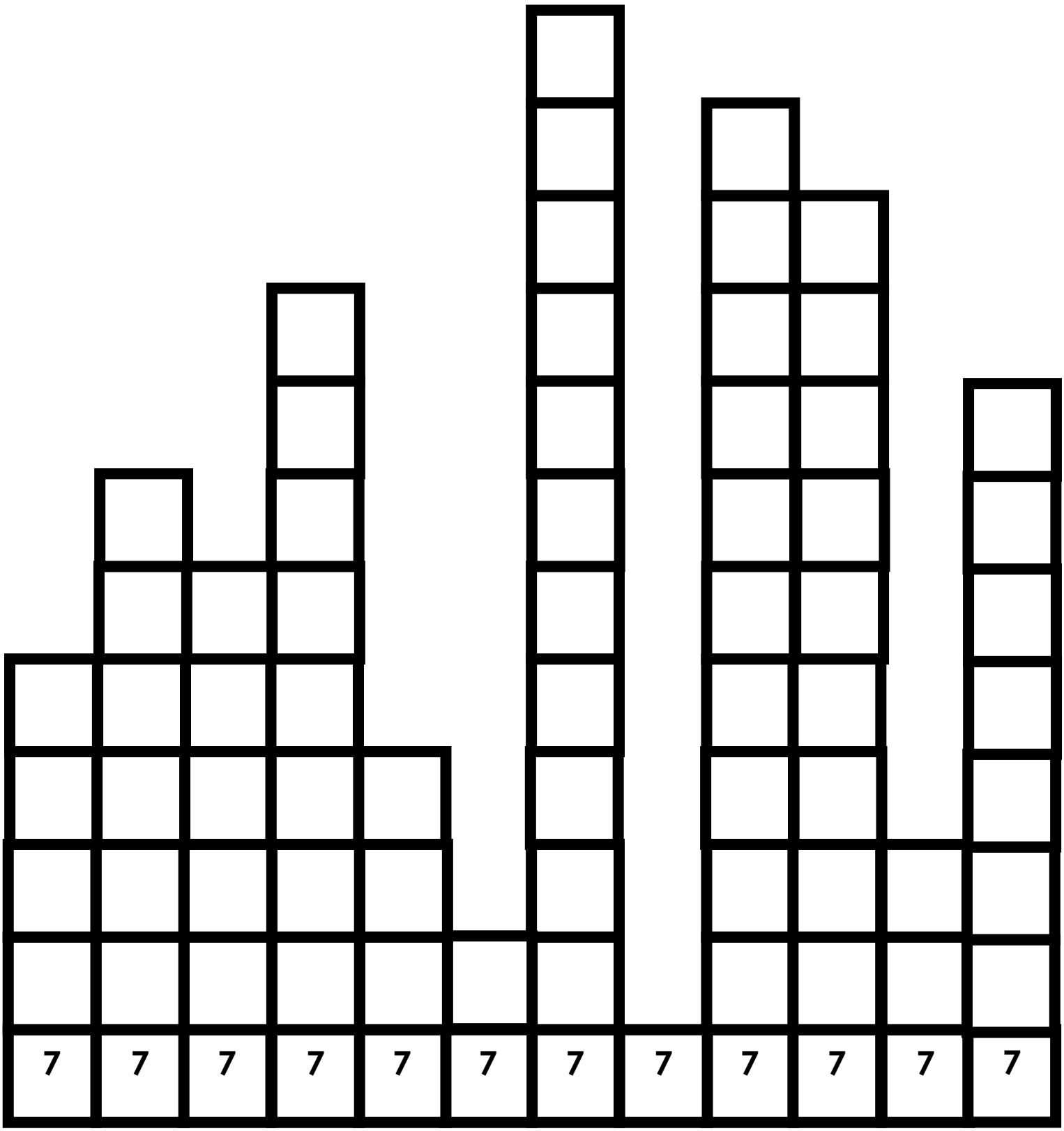
Stair Steps 7s version 1



1x7	2x7	3x7	4x7	5x7	6x7	7x7	8x7	9x7	10x7	11x7	12x7

name_____

Stair Steps 7s version 2



5x7	7x7	6x7	9x7	4x7	2x7	12x7	1x7	11x7	10x7	3x7	8x7

name_____

3 x 7 = 21 3 x 7 = 3 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x7 x7 x7	x_ x_ x_
4 x 7 = 28 4 x 7 = 4 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x7 x7 x7	x_ x_ x_
5 x 7 = 35 5 x 7 = 5 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x7 x7 x7	x_ x_ x_
6 x 7 = 42 6 x 7 = 6 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x7 x7 x7	x_ x_ x_
7 x 7 = 49 7 x 7 = 7 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x7 x7 x7	x_ x_ x_
8 x 7 = 56 8 x 7 = 8 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x7 x7 x7	x_ x_ x_
9 x 7 = 63 9 x 7 = 9 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x7 x7 x7	x_ x_ x_
10 x 7 = 70 10 x 7 = 10 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x7 x7 x7	x_ x_ x_
11 x 7 = 77 11 x 7 = 11 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x7 x7 x7	x_ x_ x_
12 x 7 = 84 12 x 7 = 12 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x7 x7 x7	x_ x_ x_

Talk The Talk 7s version 1

name_____

7 x 3 = 21 7 x 3 = 7 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x3 x3 x3	x_ x_ x_

7 x 4 = 28 7 x 4 = 7 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x4 x4 x4	x_ x_ x_

7 x 5 = 35 7 x 5 = 7 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x5 x5 x5	x_ x_ x_

7 x 6 = 42 7 x 6 = 7 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x6 x6 x6	x_ x_ x_

7 x 7 = 49 7 x 7 = 7 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x7 x7 x7	x_ x_ x_

7 x 8 = 56 7 x 8 = 7 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x8 x8 x8	x_ x_ x_

7 x 9 = 63 7 x 9 = 7 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x9 x9 x9	x_ x_ x_

7 x 10 = 70 7 x 10 = 7 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x10 x10 x10	x_ x_ x_

7 x 11 = 77 7 x 11 = 7 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x11 x11 x11	x_ x_ x_

7 x 12 = 84 7 x 12 = 7 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x12 x12 x12	x_ x_ x_

Talk The Talk 6s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 7

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$7 \times \square = 14$

$5 \times 7 = \square$

$\square \times 7 = 42$

$7 \times 8 = \square$

$12 \times 7 = \square$

$\square \times 7 = 63$

$6 \times \square = 42$

$7 \times 10 = \square$

$7 \times \square = 14$

$7 \times 3 = \square$

$\square \times 11 = 77$

$3 \times 7 = \square$

$7 \times \square = 63$

$7 \times 6 = \square$

$\square \times 7 = 49$

$7 \times 8 = \square$

$$\begin{array}{r} 7 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 63 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 7 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 7s version 1

name_____

$7 \times \square = 21$

$8 \times 7 = \square$

$\square \times 12 = 84$

$7 \times 8 = \square$

$12 \times 7 = \square$

$\square \times 7 = 63$

$7 \times \square = 49$

$7 \times 10 = \square$

$9 \times \square = 63$

$7 \times 4 = \square$

$\square \times 11 = 77$

$3 \times 7 = \square$

$7 \times \square = 63$

$6 \times 7 = \square$

$\square \times 7 = 49$

$7 \times 11 = \square$

$$\begin{array}{r} 7 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 63 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 7 \\ \times\ 7 \\ \hline \square \end{array}$$

What Is Missing? 7s version 2

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 7 = 28	7 + 7 + 7 + 7 = 28
7 x 9 =	
7 x 8 =	
7 x 7 =	
7 x 11 =	
9 x 7 =	
3 x 7 =	
7 x 12 =	
7 x 10 =	

Repeat That? 7s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
7 x 9 = 63	9 + 9 + 9 + 9 +9 + 9 + 9 = 63
6 x 7 =	
4 x 7 =	
7 x 12 =	
7 x 7 =	
7 x 5 =	
7 x 10 =	
7 x 9 =	
7 x 8 =	

Repeat That? 7s version 2

name_____

7 x 8 = □□ = □□ + □	12 x 7 = □□ = □□ + □	7 x 7 = □□ = □□ + □
8 x 7 = □□ = □□ + □	10 x 7 = □□ = □□ + □	5 x 7 = □□ = □□ + □
6 x 7 = □□ = □□ + □	11 x 7 = □□ = □□ + □	4 x 7 = □□ = □□ + □
5 x 7 = □□ = □□ + □	12 x 7 = □□ = □□ + □	7 x 8 = □□ = □□ + □

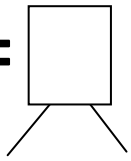
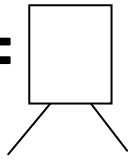
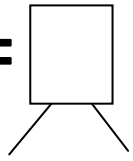
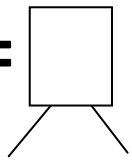
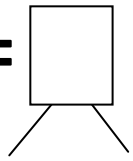
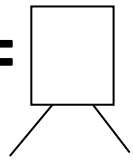
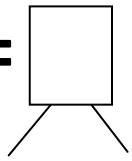
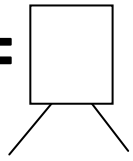
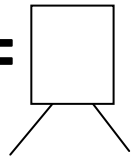
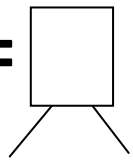
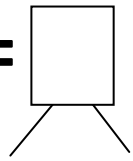
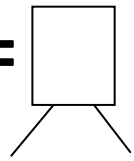
Expand The Value 7s version 1

name_____

7 x 9 = □□ = □□ + □	10 x 7 = □□ = □□ + □	5 x 7 = □□ = □□ + □
8 x 7 = □□ = □□ + □	11 x 7 = □□ = □□ + □	6 x 7 = □□ = □□ + □
4 x 7 = □□ = □□ + □	12 x 7 = □□ = □□ + □	7 x 11 = □□ = □□ + □
7 x 7 = □□ = □□ + □	11 x 7 = □□ = □□ + □	7 x 9 = □□ = □□ + □

Expand The Value 7s version 2

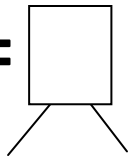
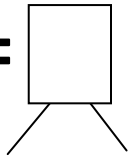
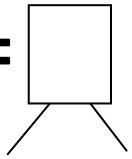
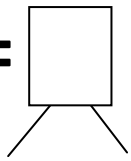
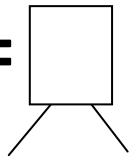
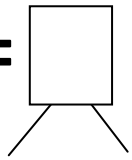
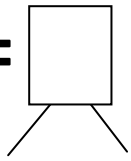
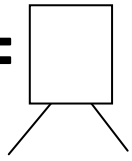
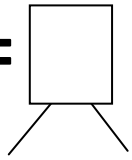
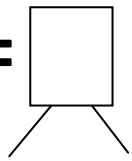
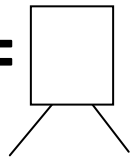
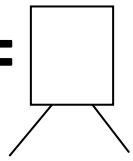
name_____

7 x 9 = 	7 x 5 = 	12 x 7 = 
7 x 10 = 	8 x 7 = 	3 x 7 = 
10 x 7 = 	7 x 7 = 	7 x 6 = 
7 x 11 = 	7 x 8 = 	9 x 7 = 

Prime Time 7s version 1

www.PEPnonprofit.org

name_____

7 x 12 = 	9 x 7 = 	10 x 7 = 
7 x 6 = 	8 x 7 = 	7 x 4 = 
7 x 3 = 	7 x 7 = 	7 x 12 = 
7 x 11 = 	7 x 9 = 	7 x 10 = 

Prime Time 7s version 2

name_____

5 x 7	7 x 4			7 x 2	7 x 6		8 x 7	
		63	42			21		49

	10 x 7	7 x 7		7 x 4	7 x 2	1 x 7	6 x 7	
28			35					56

7 x 5				7 x 7				7 x 9
	42	28	7		77	49	84	

	12 x 7	7 x 7		7 x 4	2 x 7	1 x 7	7 x 5	
70			42					14

3 x 7			7 x 8	7 x 5				3 x 7
	49	21			77	84	35	

Put It All Together 7s version 1

name_____

7 x 4	6 x 7			7 x 2	6 x 7		8 x 7	
		84	42			14		49

	11 x 7	7 x 12		9 x 7	7 x 1	9 x 7	7 x 6	
7			35					70

7 x 9				11 x 7				7 x 8
	77	56	56		70	21	28	

	12 x 7	7 x 8		7 x 3	7 x 8	7 x 7	6 x 7	
42			28					49

2 x 7			7 x 8	7 x 4				7 x 9
	7	49			35	56	70	

Put It All Together 7s version 2

name_____

7 x 4	1 x 7			7 x 5	3 x 7		8 x 7	
		35	14			7		49

	11 x 7	7 x 10		7 x 4	7 x 7	7 x 9	7 x 6	
14			42					42

7 x 9				11 x 7				4 x 7
	28	77	70		35	84	70	

	12 x 7	4 x 7		8 x 7	3 x 7	7 x 2		
49			21				70	63

2 x 7			3 x 7	7 x 4				3 x 7
	42	49			84	56	14	

Put It All Together 7s version 3

8S SECTION

MWM

PEP
www.PEPnonprofit.org

8

name _____

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Mental Multiplication

8

name _____

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Mental Multiplication

8

name _____

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Mental Multiplication

8

name _____

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Mental Multiplication

Find The Factors 8s

8	16	24	32	40	48
1 x 8					
8 x 1					
2 x 4					
4 x 2					

56	64	72	80	88	96

name_____

8s version 1

name

16	**2 x 8**	twenty four
32	**6 x 8**	sixty four
56	**8 x 8**	sixteen
64	**9 x 8**	seventy two
80	**1 x 8**	eighty eight
96	**3 x 8**	eight
88	**10 x 8**	ninety six
72	**8 x 11**	forty eight
8	**4 x 8**	fifty six
24	**8 x 12**	thirty two
40	**7 x 8**	forty
48	**5 x 8**	eighty

Multiplication Match

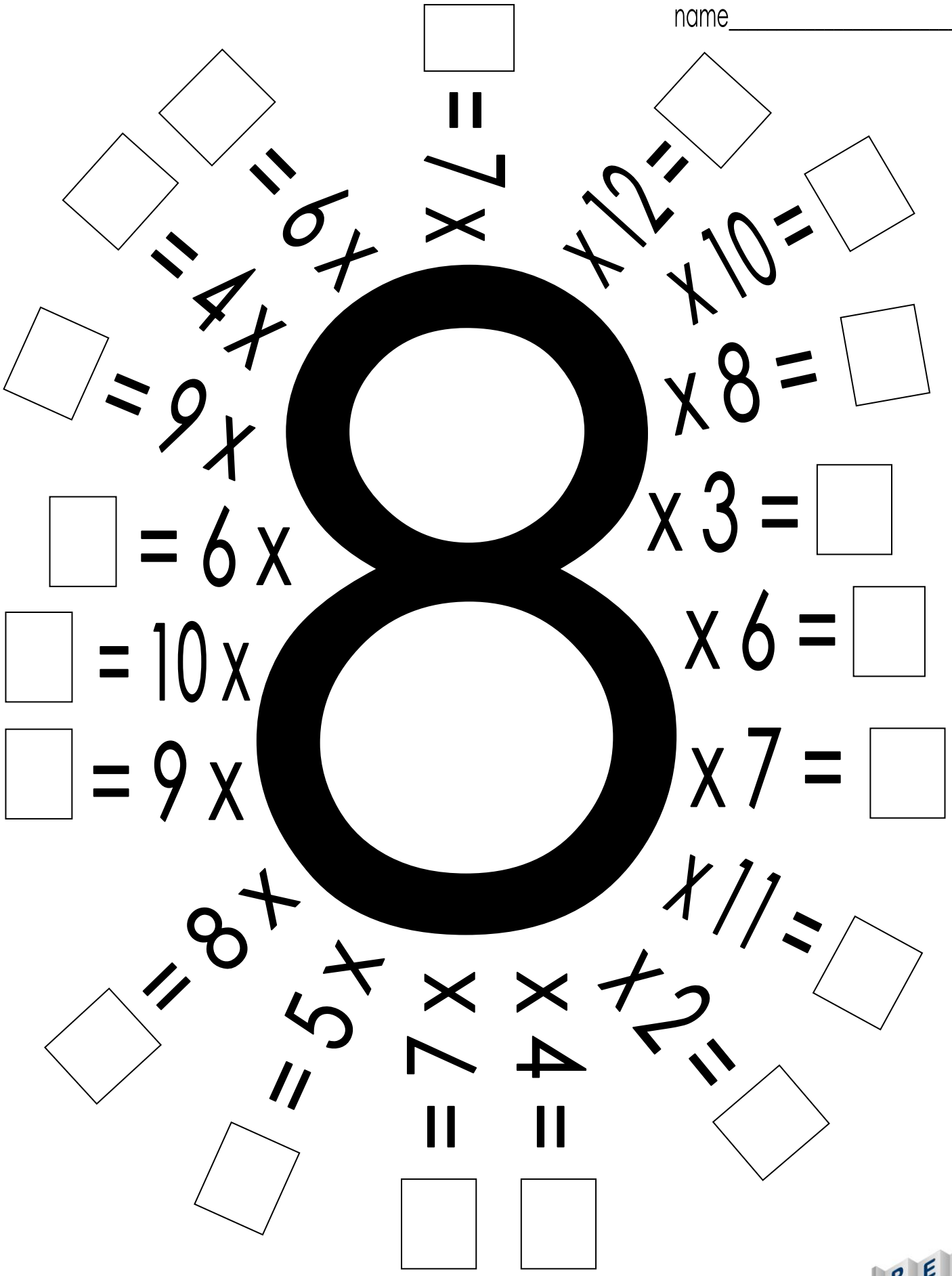
8s version 2

name

88	**8 x 8**	seventy two
24	**9 x 8**	thirty two
56	**2 x 8**	ninety six
8	**12 x 8**	eight
96	**1 x 8**	fifty six
16	**3 x 8**	eighty eight
80	**11 x 8**	sixteen
40	**8 x 10**	forty eight
32	**8 x 6**	eighty
72	**4 x 8**	twenty four
48	**5 x 8**	forty
64	**7 x 8**	sixty four

Multiplication Match

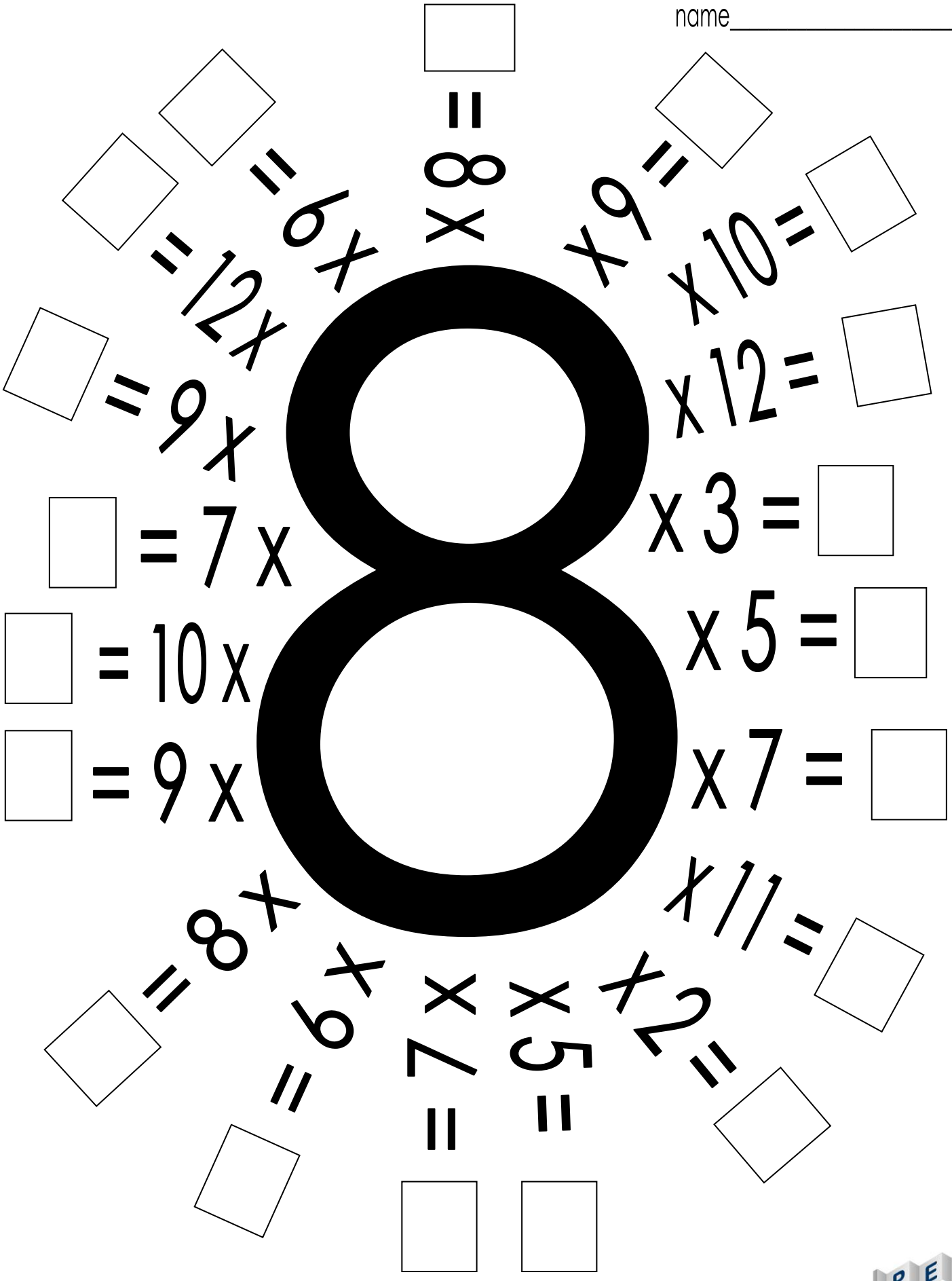
name_____



www.PEPnonprofit.org

Left-Right Write 8s Version 1

name_____



Left-Right Write 8s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 8 bagels in each package. How many bagels are there in 7 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each movie ticket costs $12. How much would 8 movie tickets cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Pat has 10 packs of mints. Each pack holds 8 mints. How many total mints does Pat have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 crackers in a box. How many crackers are there in 8 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 8 Valentine cards. If there are 9 children, how many Valentine cards are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Joy read 8 magazines. Each magazine has 11 pages. How many pages did Joy read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 8s Version 1

name_____

Word Problem?	**Numeric Answer**
Tre buys 8 boxes of gummy worms. Each box has 9 gummy worms. How many gummy worms does Tre have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 8 colored pencils. How many colored pencils do 12 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 12 comic books. If there are 8 boys, how many comic books are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 7 eggs in each carton. How many eggs are in 8 cartons?	**Complete Sentence Answer**
	Visual Answer

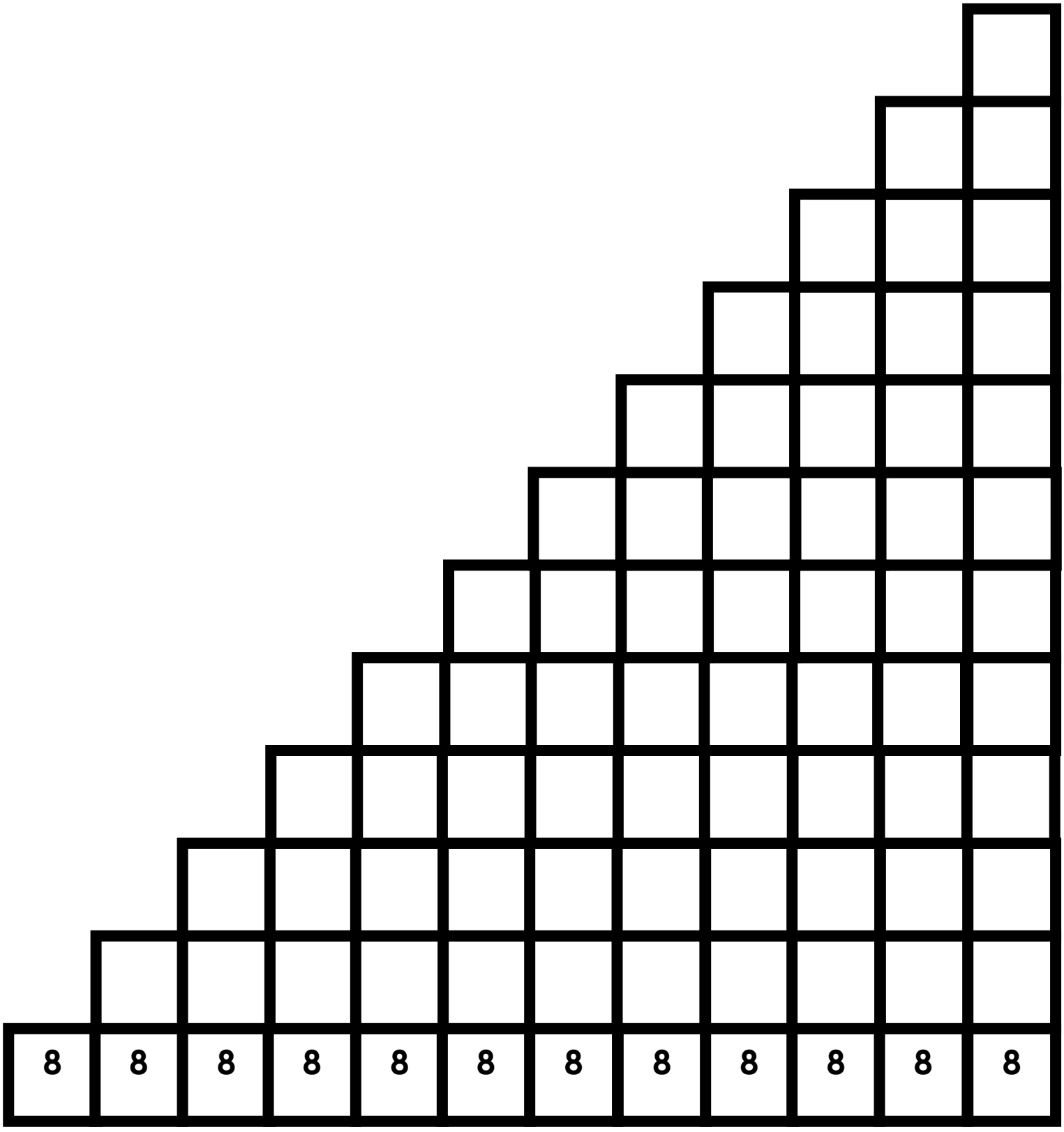
Word Problem?	**Numeric Answer**
Mrs. Smith has 4 boxes of chalk. If each box has 8 pieces of chalk, how many pieces of chalk are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Troy buys 11 packs of batteries. Each pack has 8 batteries in it. How many batteries does Troy have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 8s version 2

name_____

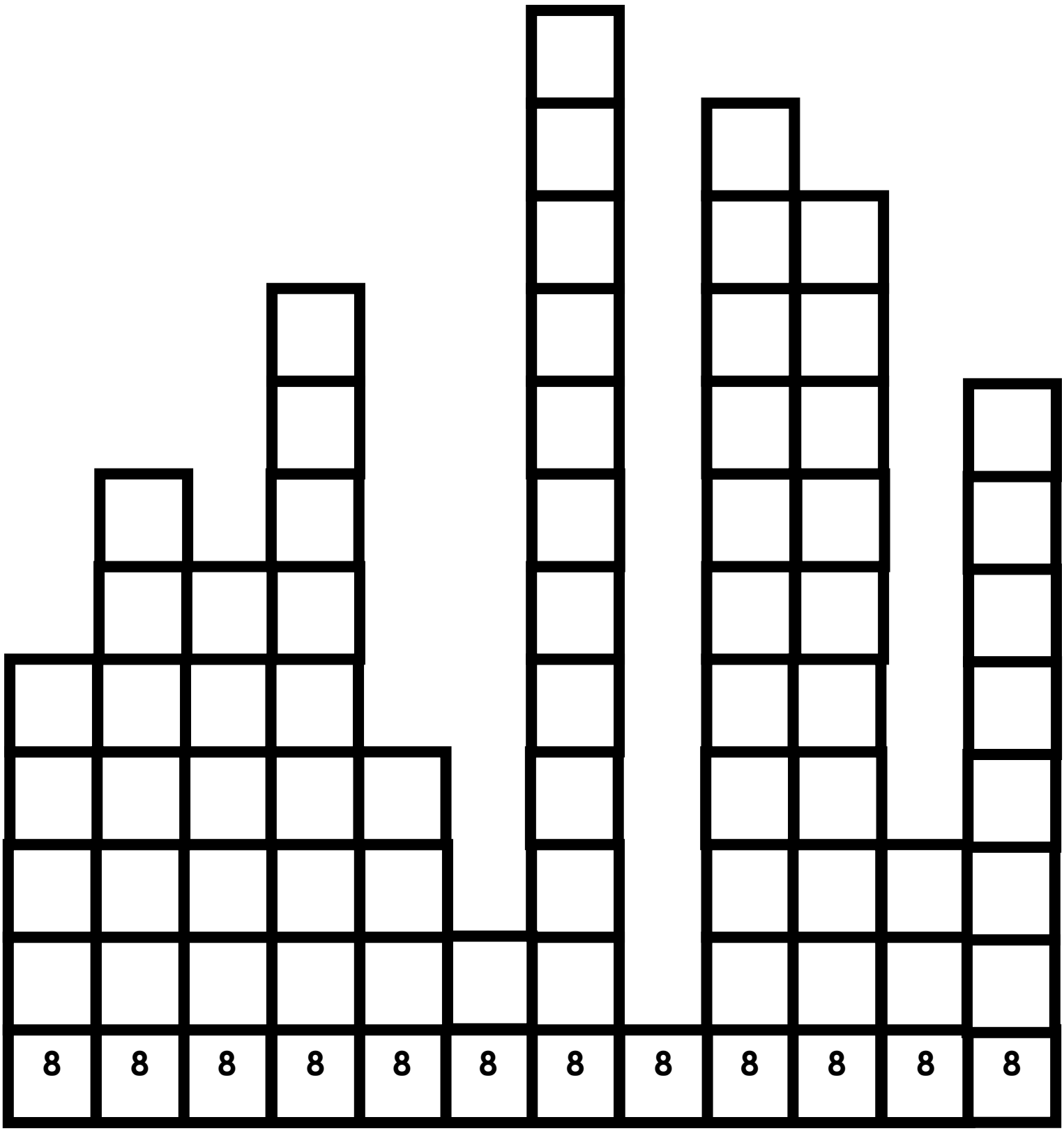
Stair Steps 8s version 1



1x8	2x8	3x8	4x8	5x8	6x8	7x8	8x8	9x8	10x8	11x8	12x8

name_____

Stair Steps 8s version 2



5x8	7x8	6x8	9x8	4x8	2x8	12x8	1x8	11x8	10x8	3x8	8x8

name_____

3 x 8 = 24 3 x 8 = 3 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x8 x8 x8	x_ x_ x_
4 x 8 = 32 4 x 8 = 4 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x8 x8 x8	x_ x_ x_
5 x 8 = 40 5 x 8 = 5 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x8 x8 x8	x_ x_ x_
6 x 8 = 48 6 x 8 = 6 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x8 x8 x8	x_ x_ x_
7 x 8 = 56 7 x 8 = 7 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x8 x8 x8	x_ x_ x_
8 x 8 = 64 8 x 8 = 8 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x8 x8 x8	x_ x_ x_
9 x 8 = 72 9 x 8 = 9 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x8 x8 x8	x_ x_ x_
10 x 8 = 80 10 x 8 = 10 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x8 x8 x8	x_ x_ x_
11 x 8 = 88 11 x 8 = 11 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x8 x8 x8	x_ x_ x_
12 x 8 = 96 12 x 8 = 12 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x8 x8 x8	x_ x_ x_

Talk The Talk 8s version 1

name_____

8 x 3 = 24 8 x 3 = 8 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x3 x3 x3	x_ x_ x_

8 x 4 = 32 8 x 4 = 8 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x4 x4 x4	x_ x_ x_

8 x 5 = 40 8 x 5 = 8 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x5 x5 x5	x_ x_ x_

8 x 6 = 48 8 x 6 = 8 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x6 x6 x6	x_ x_ x_

8 x 7 = 56 8 x 7 = 8 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x7 x7 x7	x_ x_ x_

8 x 8 = 64 8 x 8 = 8 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x8 x8 x8	x_ x_ x_

8 x 9 = 72 8 x 9 = 8 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x9 x9 x9	x_ x_ x_

8 x 10 = 80 8 x 10 = 8 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x10 x10 x10	x_ x_ x_

8 x 11 = 88 8 x 11 = 8 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x11 x11 x11	x_ x_ x_

8 x 12 = 96 8 x 12 = 8 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x12 x12 x12	x_ x_ x_

Talk The Talk 8s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 8

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$8 \times \square = 16$

$8 \times 7 = \square$

$\square \times 8 = 48$

$8 \times 8 = \square$

$12 \times 8 = \square$

$\square \times 8 = 72$

$6 \times \square = 48$

$8 \times 10 = \square$

$8 \times \square = 16$

$8 \times 1 = \square$

$\square \times 11 = 88$

$3 \times 8 = \square$

$8 \times \square = 72$

$8 \times 6 = \square$

$\square \times 8 = 64$

$7 \times 8 = \square$

$$\begin{array}{r} 8 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 72 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 8 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 8s version 1

name_____

$8 \times \square = 24$

$8 \times 7 = \square$

$\square \times 12 = 96$

$8 \times 8 = \square$

$12 \times 8 = \square$

$\square \times 8 = 72$

$8 \times \square = 56$

$8 \times 10 = \square$

$9 \times \square = 72$

$8 \times 4 = \square$

$\square \times 11 = 88$

$3 \times 8 = \square$

$8 \times \square = 72$

$6 \times 8 = \square$

$\square \times 8 = 56$

$8 \times 11 = \square$

$$\begin{array}{r} 8 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 72 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 8 \\ \times\ 7 \\ \hline \square \end{array}$$

What Is Missing? 8s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
4 x 8 = 32	8 + 8 + 8 + 8 = 32
8 x 9 =	
8 x 8 =	
7 x 8 =	
8 x 11 =	
9 x 8 =	
3 x 8 =	
8 x 12 =	
8 x 10 =	

Repeat That? 8s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
8 x 9 = 72	9 + 9 + 9 + 9 + 9 +9 + 9 + 9 = 72
6 x 8 =	
4 x 8 =	
8 x 12 =	
8 x 7 =	
8 x 5 =	
8 x 10 =	
8 x 9 =	
8 x 8 =	

Repeat That? 8s version 2

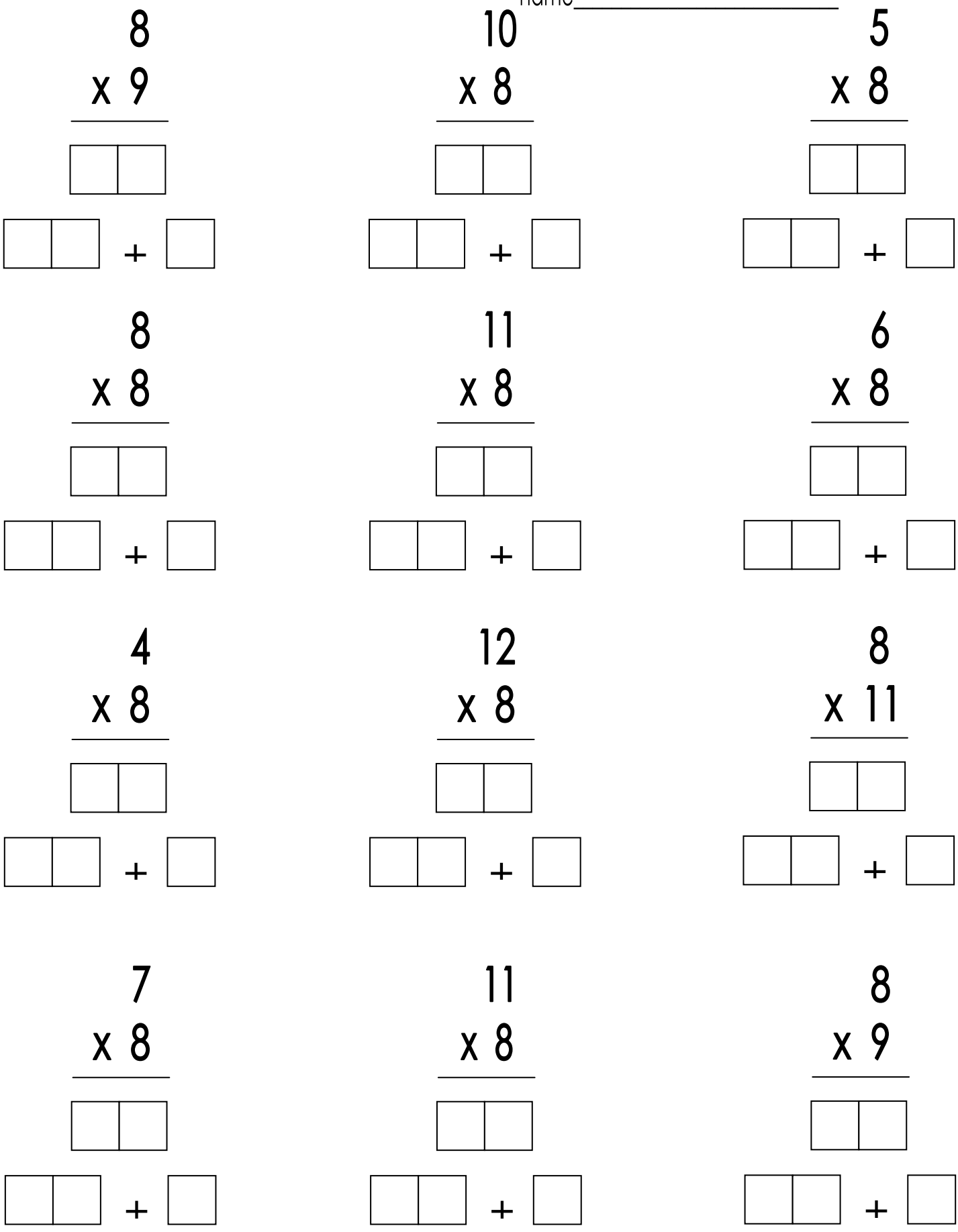
www.PEPnonprofit.org

name_____

7 x 8 = ☐☐ = ☐☐ + ☐	12 x 8 = ☐☐ = ☐☐ + ☐	8 x 8 = ☐☐ = ☐☐ + ☐
4 x 8 = ☐☐ = ☐☐ + ☐	10 x 8 = ☐☐ = ☐☐ + ☐	5 x 8 = ☐☐ = ☐☐ + ☐
6 x 8 = ☐☐ = ☐☐ + ☐	11 x 8 = ☐☐ = ☐☐ + ☐	12 x 8 = ☐☐ = ☐☐ + ☐
5 x 8 = ☐☐ = ☐☐ + ☐	2 x 8 = ☐☐ = ☐☐ + ☐	8 x 8 = ☐☐ = ☐☐ + ☐

Expand The Value 8s version 1

name_____



Expand The Value 8s version 2

name_____

8 x 9 =	8 x 5 =	12 x 8 =
8 x 10 =	8 x 8 =	3 x 8 =
10 x 8 =	7 x 8 =	8 x 6 =
8 x 11 =	8 x 8 =	9 x 8 =

Prime Time 8s version 1

name_____

8 x 12 =	9 x 8 =	10 x 8 =
8 x 6 =	8 x 8 =	8 x 4 =
8 x 3 =	8 x 7 =	8 x 12 =
8 x 11 =	8 x 2 =	8 x 10 =

Prime Time 8s version 2

name_____

5 x 8	8 x 4			8 x 2	8 x 6		8 x 7	
		72	40			16		64

	10 x 8	8 x 7		8 x 4	8 x 2	1 x 8	6 x 8	
24			32					56

8 x 5				7 x 8				8 x 9
	48	24	32		88	48	96	

	12 x 8	7 x 8		8 x 4	2 x 8	1 x 8	8 x 5	
80			32					16

3 x 8			7 x 8	8 x 5				4 x 8
	56	64			88	72	40	

Put It All Together 8s version 1

name_____

8 x 4	6 x 8			8 x 2	6 x 8		8 x 7	
		96	40			16		48
	11 x 8	8 x 12		9 x 8	8 x 1	9 x 8	8 x 6	
8			32					80
8 x 9				11 x 8				8 x 8
	88	48	56		80	32	24	
	12 x 8	7 x 8		8 x 3	8 x 8	8 x 3	6 x 8	
40			64					88
2 x 8			7 x 8	8 x 4				8 x 9
	8	48			32	56	80	

Put It All Together 8s version 2

name_____

8 x 4	1 x 8			8 x 5	3 x 8		8 x 8	
		32	16			8		56

	11 x 8	8 x 10		8 x 4	7 x 8	8 x 9	8 x 6	
16			48					40

8 x 9				11 x 8				4 x 8
	24	88	80		32	80	96	

	12 x 8	4 x 8		8 x 8	3 x 8	8 x 2		
48			24				80	64

2 x 8			3 x 8	8 x 4				3 x 8
	48	56			96	56	16	

Put It All Together 8s version 3

9S SECTION

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name

Mental Multiplication

Find The Factors 9s

9	18	27	36	45	54
1 x 9					
9 x 1					
3 x 3					

63	72	81	90	99	108

name_____

9s version 1

name

18	**2 x 9**	twenty seven
36	**6 x 9**	seventy two
63	**8 x 9**	eighteen
72	**9 x 9**	eighty one
90	**1 x 9**	ninety nine
108	**3 x 9**	nine
99	**10 x 9**	one hundred eight
81	**9 x 11**	fifty four
9	**4 x 9**	sixty three
27	**9 x 12**	thirty six
45	**7 x 9**	forty five
54	**5 x 9**	ninety

Multiplication Match

9s version 2

name

99	**8 x 9**	eighty one
27	**9 x 9**	thirty six
63	**2 x 9**	one hundred eight
9	**12 x 9**	nine
108	**1 x 9**	sixty three
18	**3 x 9**	ninety nine
90	**11 x 9**	eighteen
45	**9 x 10**	fifty four
36	**9 x 6**	ninety
81	**4 x 9**	twenty seven
54	**5 x 9**	forty five
72	**7 x 9**	seventy two

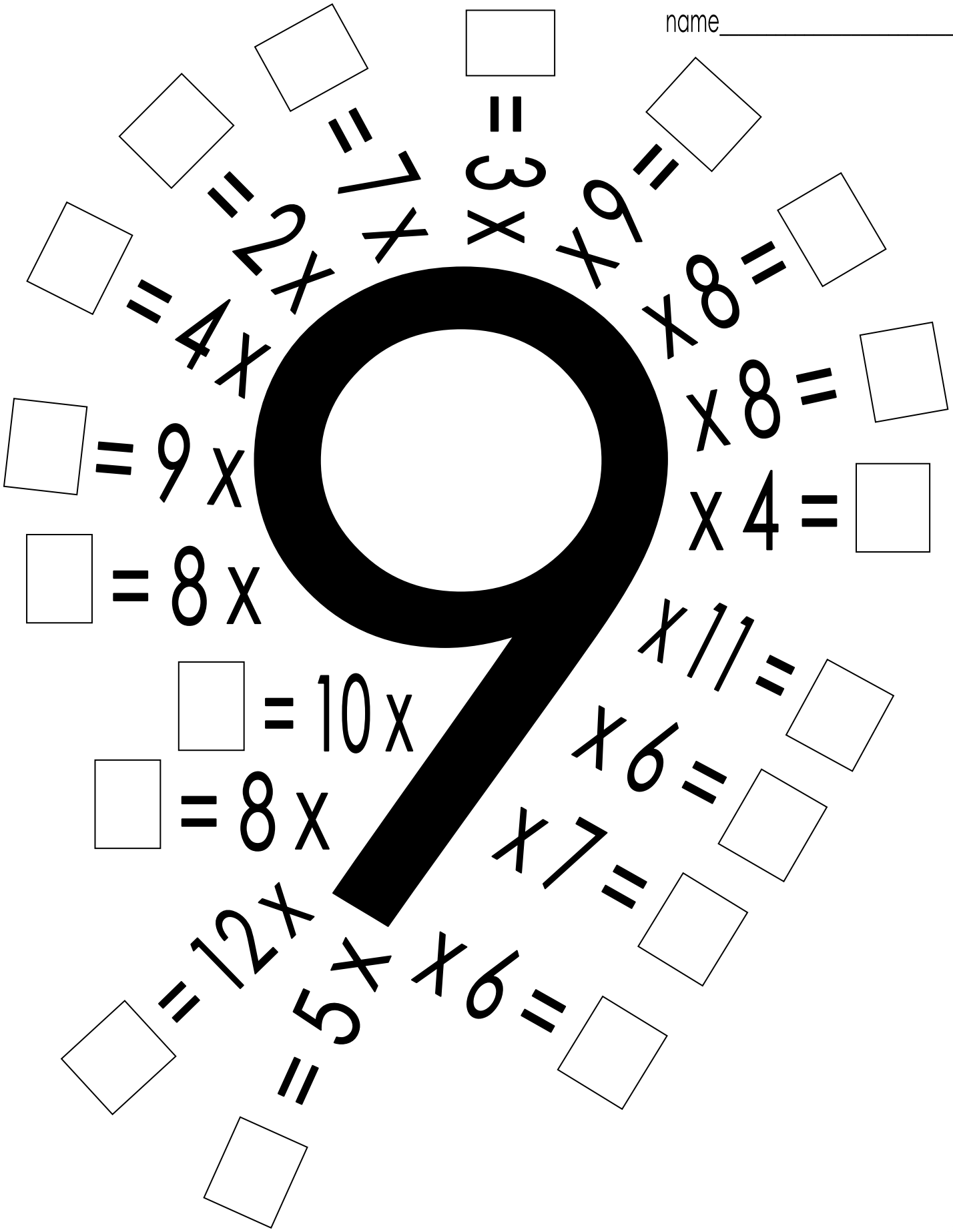
Multiplication Match

name_____

www.PEPnonprofit.org

Left-Right Write 9s Version 1

name_____



www.PEPnonprofit.org

Left-Right Write 9s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 9 fire logs in each package. How many logs of fire are there in 3 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each baseball hat costs $9. How much would 9 baseball hats cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Brad has 6 packs of pencils. Each pack holds 9 pencils. How many total pencils does Brad have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 index cards in a box. How many index cards are there in 9 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 4 erasers. If there are 9 children, how many erasers are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Jorge wrote 9 stories. Each story has 11 pages. How many pages did Jorge write?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 9s Version 1

name_____

Word Problem?	**Numeric Answer**
Lexi buys 5 bags of beef jerky. Each bag has 9 pieces of jerky. How many pieces of jerky does Lexi have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 9 raffle tickets. How many raffle tickets do 12 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 7 bugs. If there are 9 boys, how many bugs are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 6 bananas in a bunch. How many bananas are in 9 bunches?	**Complete Sentence Answer**
	Visual Answer

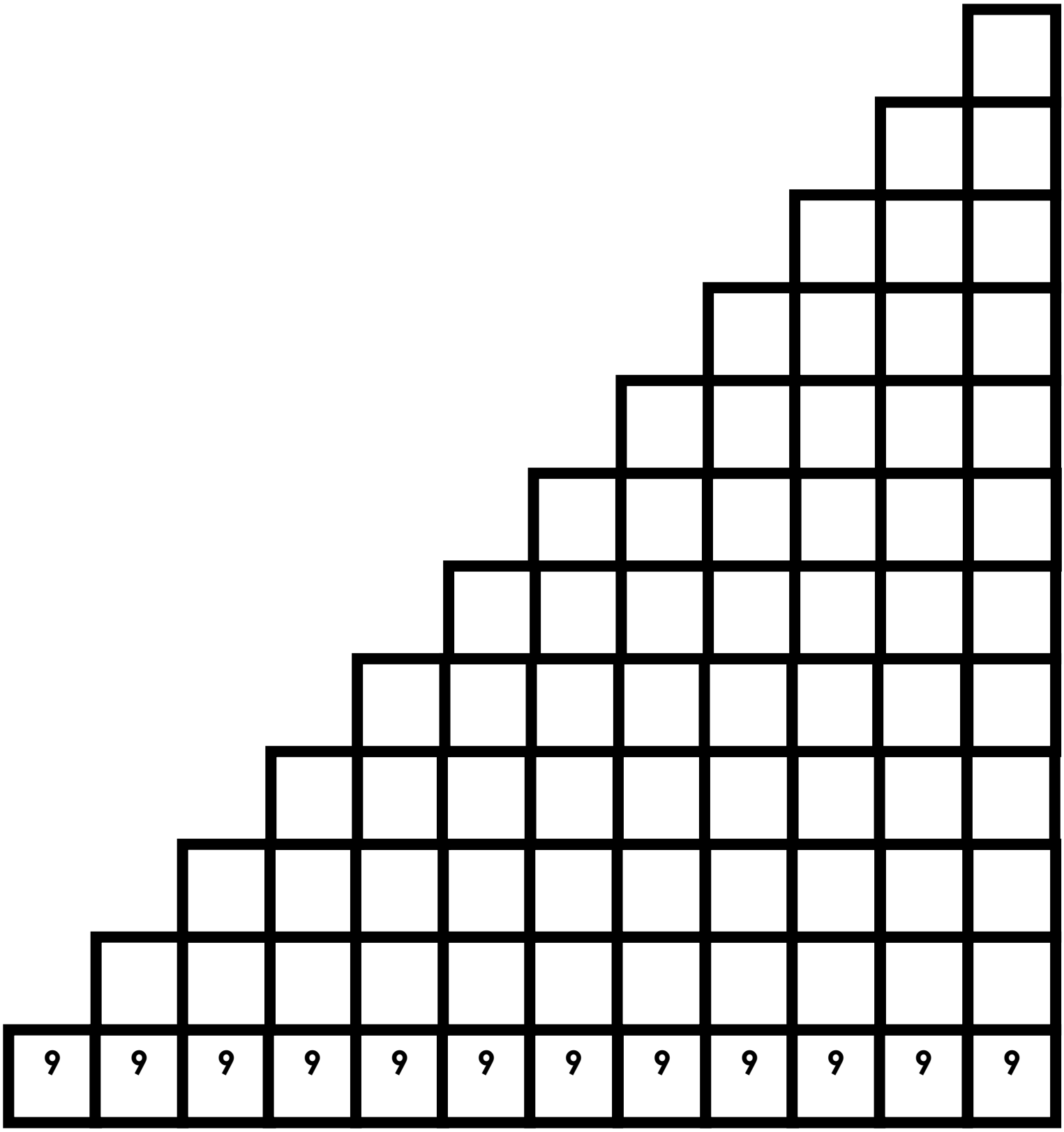
Word Problem?	**Numeric Answer**
Jack has 4 boxes of legos. If each box has 9 legos in it, how many lego blocks are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Brooke buys 11 bags of mini cupcakes. Each bag has 9 mini cupcakes in it. How many cupcakes does Brooke have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 9s version 2

name_____

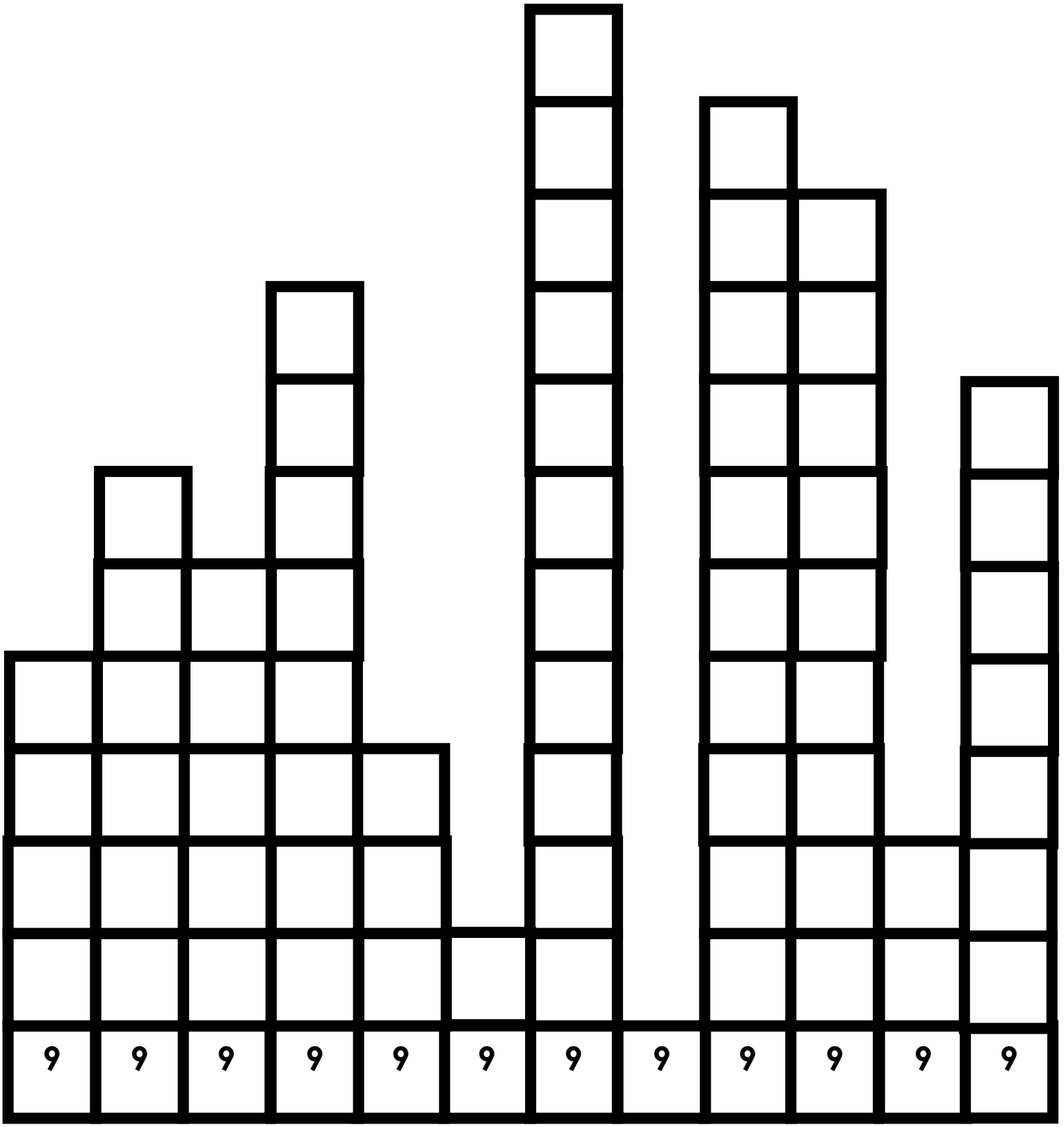
Stair Steps 9s version 1



1x9	2x9	3x9	4x9	5x9	6x9	7x9	8x9	9x9	10x9	11x9	12x9

name_____

Stair Steps 9s version 2



5x9	7x9	6x9	9x9	4x9	2x9	12x9	1x9	11x9	10x9	3x9	8x9

name_____

3 x 9 = 27 3 x 9 = 3 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	3 3 3 x9 x9 x9	x_ x_ x_
4 x 9 = 36 4 x 9 = 4 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	4 4 4 x9 x9 x9	x_ x_ x_
5 x 9 = 45 5 x 9 = 5 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	5 5 5 x9 x9 x9	x_ x_ x_
6 x 9 = 54 6 x 9 = 6 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	6 6 6 x9 x9 x9	x_ x_ x_
7 x 9 = 63 7 x 9 = 7 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	7 7 7 x9 x9 x9	x_ x_ x_
8 x 9 = 72 8 x 9 = 8 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	8 8 8 x9 x9 x9	x_ x_ x_
9 x 9 = 81 9 x 9 = 9 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x9 x9 x9	x_ x_ x_
10 x 9 = 90 10 x 9 = 10 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x9 x9 x9	x_ x_ x_
11 x 9 = 99 11 x 9 = 11 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 X9 x9 x9	x_ x_ x_
12 x 9 = 108 12 x 9 = 12 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x9 x9 x9	x_ x_ x_

Talk The Talk 9s version 1

name_____

9 x 3 = 27 9 x 3 = 9 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x3 x3 x3	x_ x_ x_

9 x 4 = 36 9 x 4 = 9 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x4 x4 x4	x_ x_ x_

9 x 5 = 45 9 x 5 = 9 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x5 x5 x5	x_ x_ x_

9 x 6 = 54 9 x 6 = 9 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x6 x6 x6	x_ x_ x_

9 x 7 = 63 9 x 7 = 9 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x7 x7 x7	x_ x_ x_

9 x 8 = 72 9 x 8 = 9 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x8 x8 x8	x_ x_ x_

9 x 9 = 81 9 x 9 = 9 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x9 x9 x9	x_ x_ x_

9 x 10 = 90 9 x 10 = 9 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x10 x10 x10	x_ x_ x_

9 x 11 = 99 9 x 11 = 9 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x11 x11 x11	x_ x_ x_

9 x 12 = 108 9 x 12 = 9 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	9 9 9 x12 x12 x12	x_ x_ x_

Talk The Talk 9s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 9

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$9 \times \square = 18$

$9 \times 7 = \square$

$\square \times 9 = 54$

$8 \times 9 = \square$

$12 \times 9 = \square$

$\square \times 9 = 81$

$6 \times \square = 54$

$9 \times 10 = \square$

$9 \times \square = 18$

$9 \times 4 = \square$

$\square \times 11 = 99$

$3 \times 9 = \square$

$9 \times \square = 81$

$9 \times 6 = \square$

$\square \times 8 = 72$

$7 \times 9 = \square$

$$\begin{array}{r} 8 \\ \times\ 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 81 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 9 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 9s version 1

name_____

$9 \times \square = 27$

$9 \times 7 = \square$

$\square \times 12 = 108$

$8 \times 9 = \square$

$12 \times 9 = \square$

$\square \times 9 = 81$

$9 \times \square = 63$

$9 \times 10 = \square$

$9 \times \square = 72$

$9 \times 4 = \square$

$\square \times 11 = 99$

$3 \times 9 = \square$

$9 \times \square = 81$

$6 \times 9 = \square$

$\square \times 9 = 63$

$9 \times 11 = \square$

$$\begin{array}{r} 9 \\ \times\ 11 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 72 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 9 \\ \times\ 7 \\ \hline \square \end{array}$$

What Is Missing? 9s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
2 x 9 = 18	9 + 9 = 18
9 x 9 =	
8 x 9 =	
7 x 9 =	
9 x 11 =	
9 x 3 =	
3 x 9 =	
9 x 12 =	
9 x 10 =	

Repeat That? 9s version 1

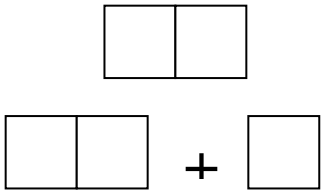
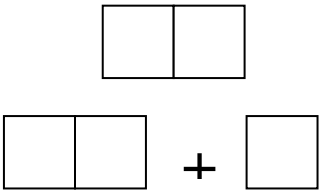
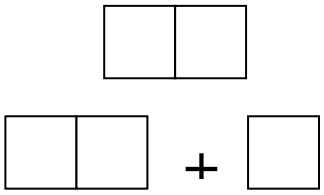
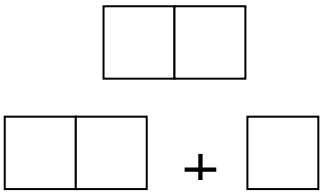
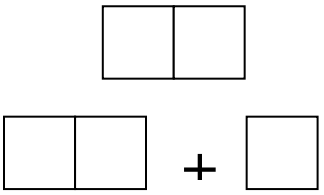
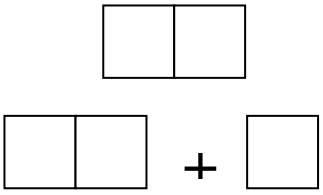
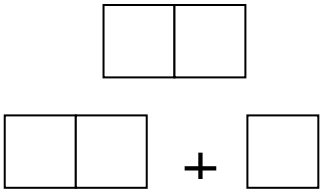
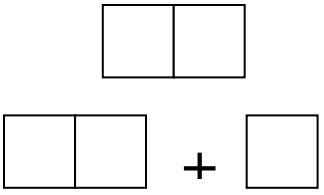
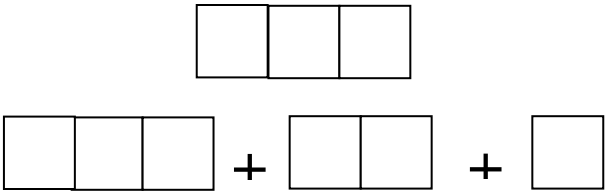
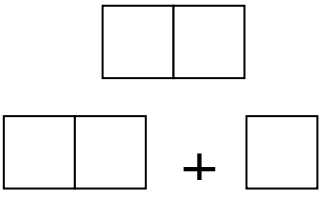
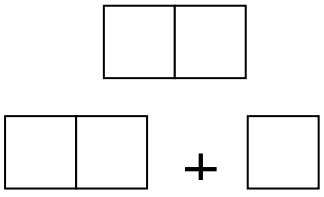
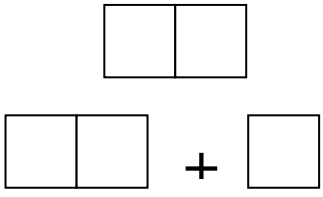
name_____

Multiplication Sentence	Repeated Addition Sentence
9 x 9 = 81	9 + 9 + 9 + 9 + 9 + 9 +9 + 9 + 9 = 81
6 x 9 =	
4 x 9 =	
1 x 9 =	
9 x 7 =	
9 x 5 =	
8 x 9 =	
3 x 9 =	
8 x 9 =	

Repeat That? 9s version 2

www.PEPnonprofit.org

name_____

7 x 9 = 	11 x 9 = 	2 x 9 = 
4 x 9 = 	10 x 9 = 	5 x 9 = 
6 x 9 = 	11 x 9 = 	12 x 9 = 
5 x 9 = 	2 x 9 = 	9 x 8 = 

Expand The Value 9s version 1

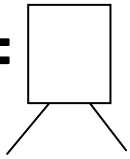
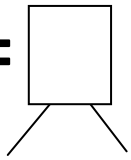
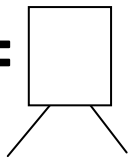
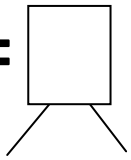
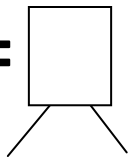
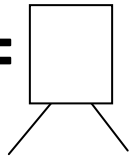
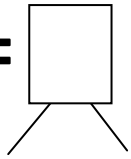
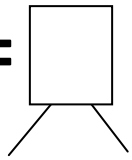
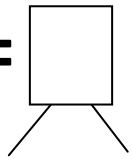
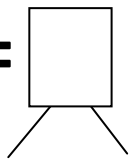
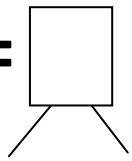
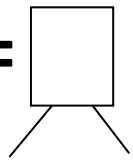
www.PEPnonprofit.org

name_____

8 x 9 = □□ = □□ + □	10 x 9 = □□ = □□ + □	5 x 9 = □□ = □□ + □
9 x 9 = □□ = □□ + □	7 x 9 = □□ = □□ + □	6 x 9 = □□ = □□ + □
4 x 9 = □□ = □□ + □	2 x 9 = □□ = □□ + □	9 x 11 = □□ = □□ + □
7 x 9 = □□ = □□ + □	4 x 9 = □□ = □□ + □	8 x 9 = □□ = □□ + □

Expand The Value 9s version 2

name_____

9 x 9 = 	9 x 5 = 	12 x 9 = 
9 x 10 = 	8 x 9 = 	3 x 9 = 
10 x 9 = 	7 x 9 = 	9 x 6 = 
9 x 11 = 	9 x 8 = 	9 x 4 = 

Prime Time 9s version 1

name_____

9 x 12 =	9 x 8 =	10 x 9 =
9 x 6 =	9 x 9 =	9 x 4 =
9 x 3 =	9 x 7 =	9 x 12 =
9 x 11 =	9 x 2 =	9 x 10 =

Prime Time 9s version 2

name_____

5 x 9	9 x 4			9 x 2	9 x 6		9 x 7	
		72	90			27		63

	10 x 9	9 x 7		9 x 4	9 x 2	1 x 9	6 x 9	
27			36					81

9 x 5				7 x 9				9 x 9
	18	27	36		99	90	108	

	12 x 9	7 x 9		9 x 4	2 x 9	1 x 9	9 x 5	
81			72					18

3 x 9			7 x 9	9 x 5				4 x 9
	54	72			99	72	45	

Put It All Together 9s version 1

name_____

9 x 4	6 x 9			9 x 2	6 x 9		9 x 7	
		99	45			18		45

	11 x 9	9 x 12		9 x 8	9 x 1	9 x 9	9 x 6	
108			36					90

9 x 9				11 x 9				8 x 9
	72	63	54		90	36	27	

	12 x 9	7 x 9		9 x 3	9 x 8	9 x 3	6 x 9	
45			72					108

2 x 9			7 x 9	9 x 4				8 x 9
	9	99			36	54	81	

Put It All Together 9s version 2

name_____

9 x 4	1 x 9			9 x 5	3 x 9		8 x 9	
		27	18			108		63

	11 x 9	9 x 10		9 x 4	7 x 9	8 x 9	9 x 6	
9			81					90

9 x 9				11 x 9				4 x 9
	27	18	90		45	72	108	

	12 x 9	4 x 9		9 x 8	3 x 9	9 x 2		
45			27				54	63

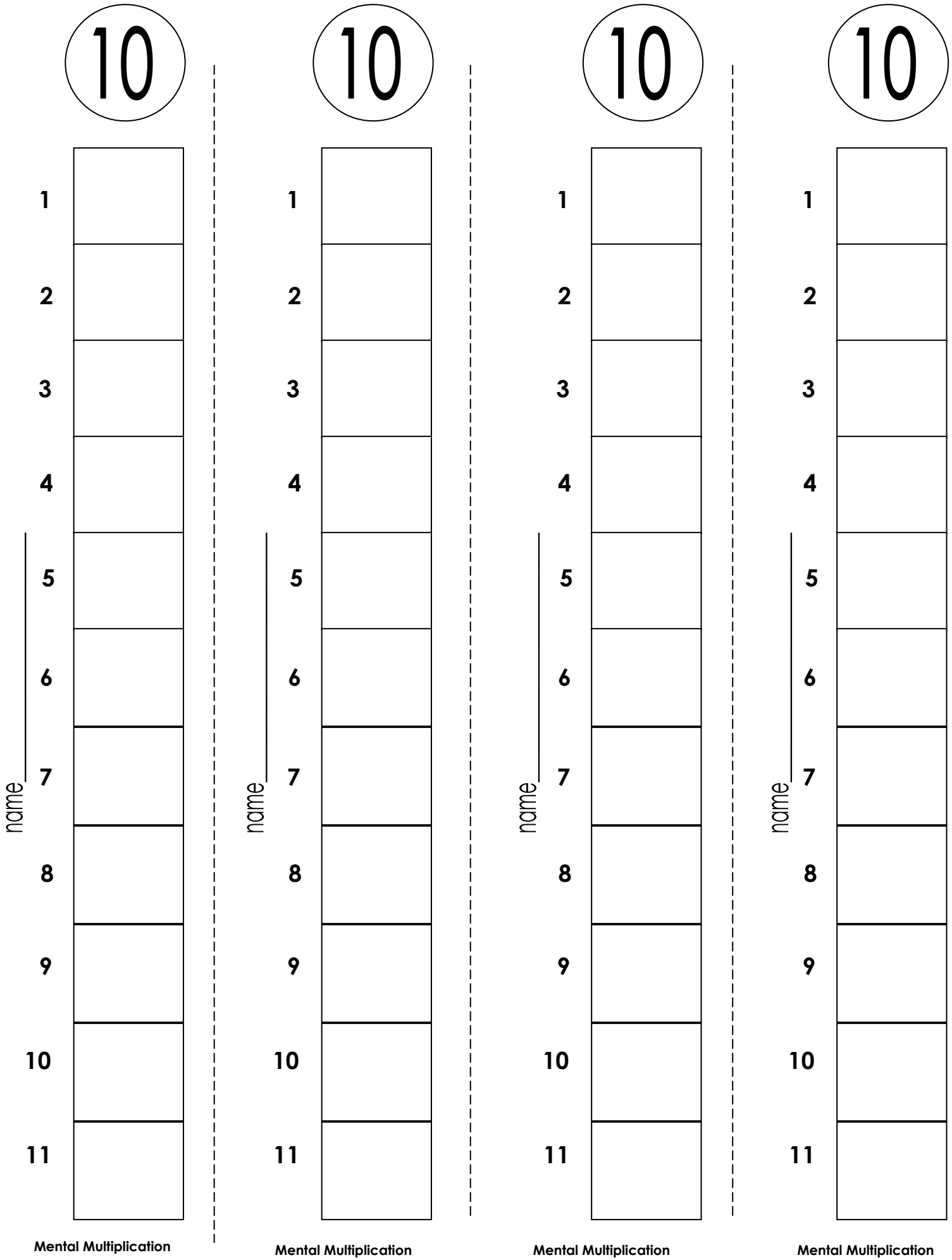
2 x 9			3 x 9	9 x 4				9 x 8
	45	54			99	63	18	

Put It All Together 9s version 3

10s SECTION

MWM

PEP
www.PEPnonprofit.org


10
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
10
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
10
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
10
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication

Find The Factors 10s

10	20	30	40	50	60
1 x 10					
10 x 1					
2 x 5					
5 x 2					

70	80	90	100	110	120

name_____

10s version 1

name

20	**2 x 10**	thirty
40	**6 x 10**	eighty
70	**8 x 10**	twenty
80	**9 x 10**	ninety
90	**1 x 10**	one hundred ten
110	**3 x 10**	ten
100	**10 x 10**	one hundred twenty
120	**10 x 11**	sixty
10	**4 x 10**	seventy
30	**10 x 12**	forty
50	**7 x 10**	fifty
60	**5 x 10**	one hundred

Multiplication Match

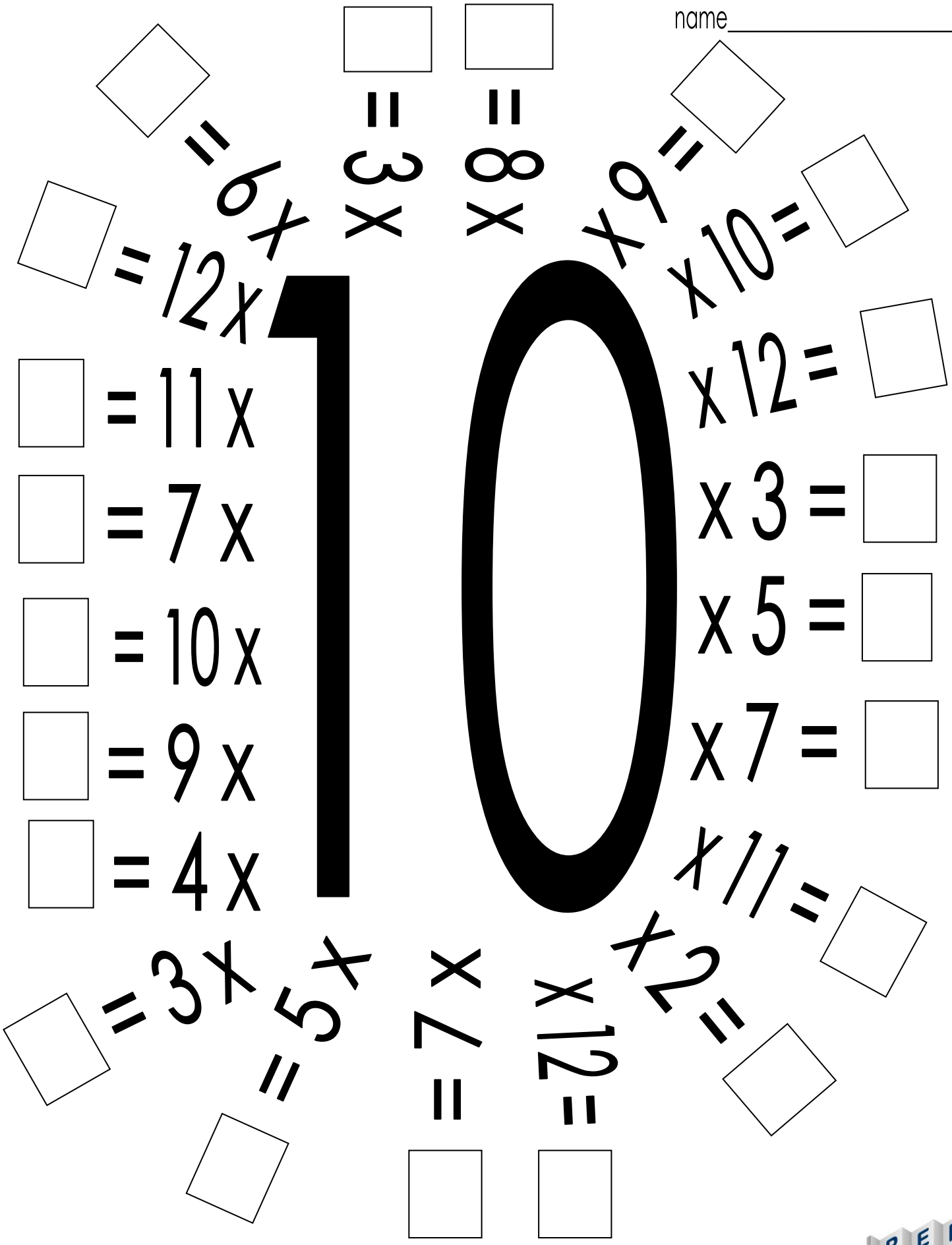
10s version 2

name

110	**8 x 10**	ninety
30	**9 x 10**	forty
70	**2 x 10**	one hundred twenty
10	**12 x 10**	ten
120	**1 x 10**	seventy
20	**3 x 10**	one hundred ten
90	**11 x 10**	twenty
50	**10 x 10**	sixty
40	**10 x 6**	one hundred
100	**4 x 10**	thirty
60	**5 x 10**	fifty
80	**7 x 10**	eighty

Multiplication Match

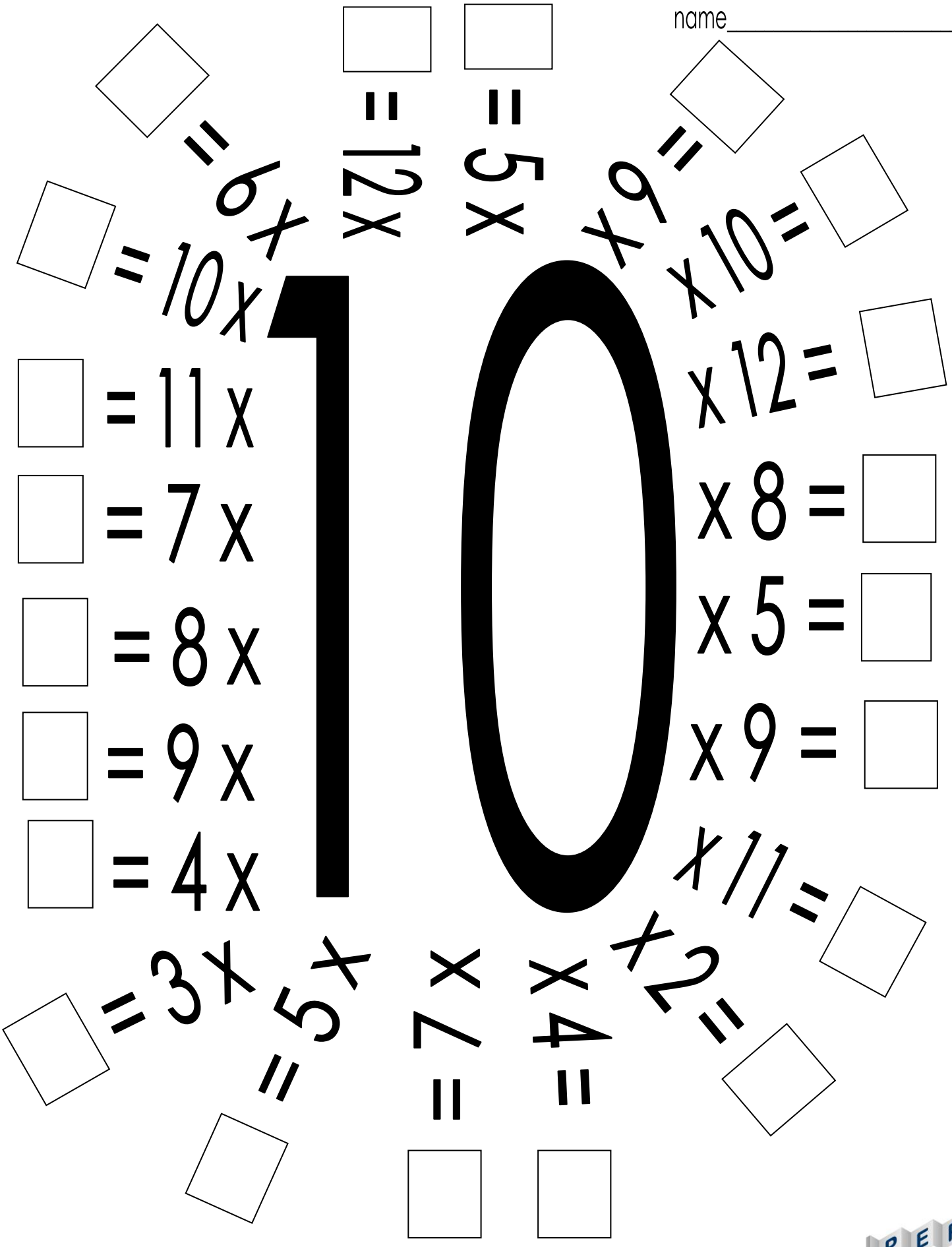
name_____



PEP
www.PEPnonprofit.org

Left-Right Write 10s Version 1

name_____



www.PEPnonprofit.org

Left-Right Write 10s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 10 blank CDs in each package. How many CDs are there in 3 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each soccer ball costs $10. How much would 6 soccer balls cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Rob has 8 packs of stickers. Each pack holds 10 stickers. How many total stickers does Rob have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 2 printers in a box. How many in printers are there in 10 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each child has 4 snacks. If there are 10 children, how many snacks are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Mike read 5 stories. Each story has 10 pages. How many pages did Mike read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 10s Version 1

name_____

Word Problem?	**Numeric Answer**
Andrew buys 4 bags of peanuts. Each bag has 10 peanuts. How many peanuts does Andrew have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 9 apples. How many apples do 10 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 10 rocks. If there are 9 boys, how many rocks are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 8 songs on a CD. How many songs are on 10 CDs?	**Complete Sentence Answer**
	Visual Answer

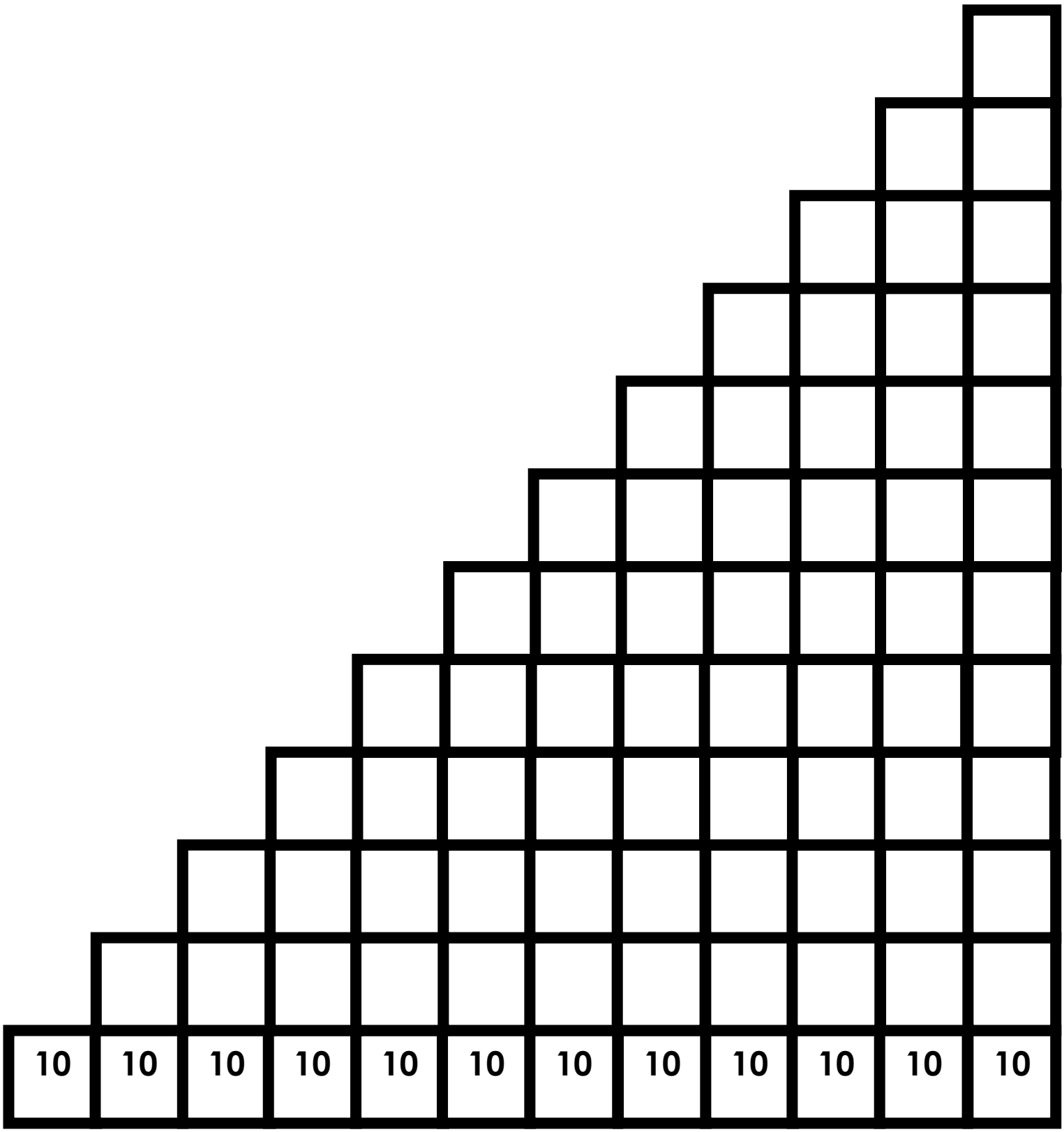
Word Problem?	**Numeric Answer**
Jill has 9 boxes of raisins. If each box has 10 raisins in it, how many raisins are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Bobby buys 7 bags of glue sticks. Each bag has 10 glue sticks in it. How many glue sticks does Bobby have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 10s version 2

name_____

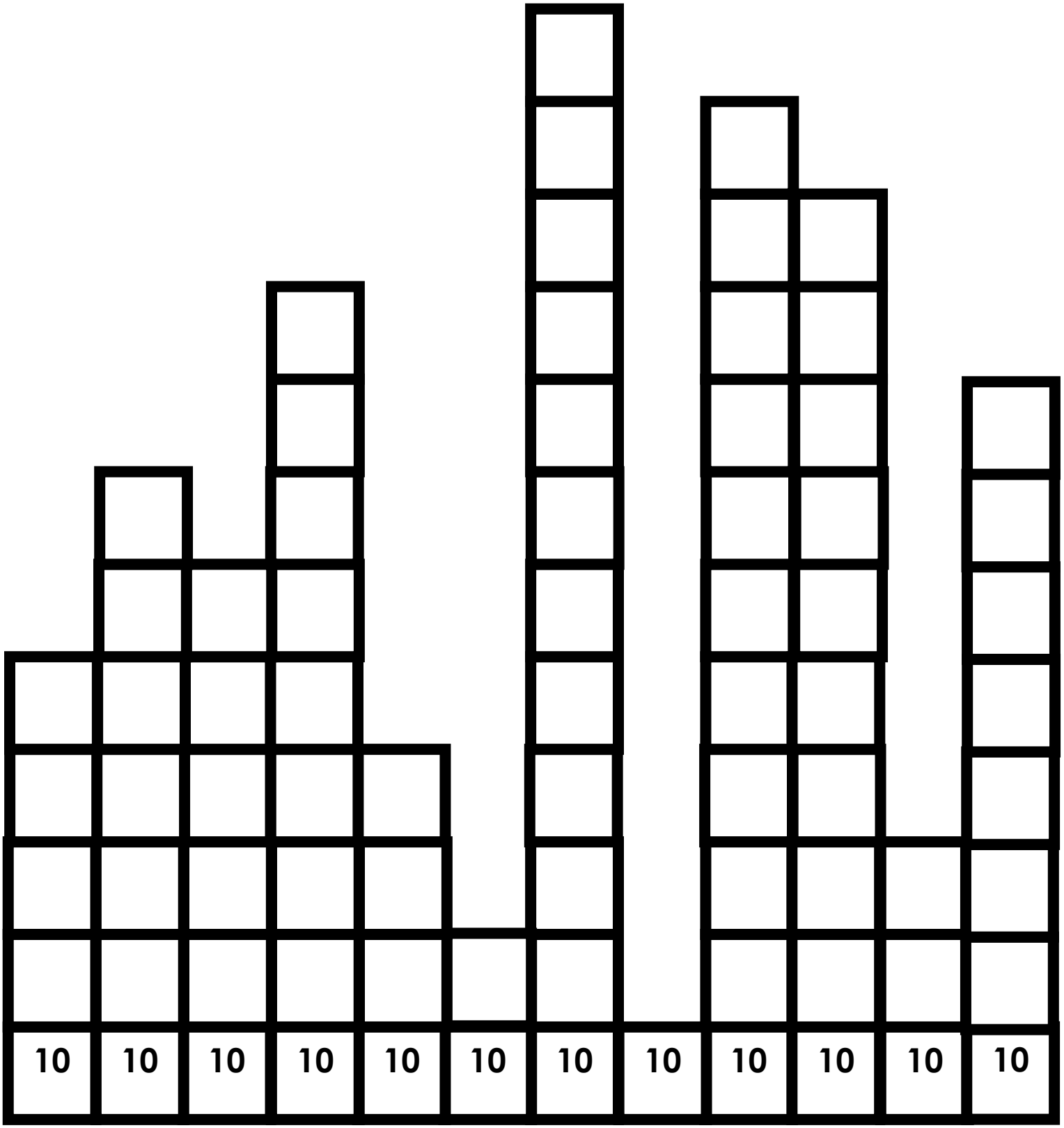
Stair Steps 10s version 1



1x10	2x10	3x10	4x10	5x10	6x10	7x10	8x10	9x10	10x10	11x10	12x10

name_____

Stair Steps 10s version 2



5x10	7x10	6x10	9x10	4x10	2x10	12x10	1x10	11x10	10x10	3x10	8x10

name_____

3 x 10 = 30 3 x 10 = 3 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x3 x3 x3	x_ x_ x_

4 x 10 = 40 4 x 10 = 4 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x4 x4 x4	x_ x_ x_

5 x 10 = 50 5 x 10 = 5 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x5 x5 x5	x_ x_ x_

6 x 10 = 60 6 x 10 = 6 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x6 x6 x6	x_ x_ x_

7 x 10 = 70 7 x 10 = 7 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x7 x7 x7	x_ x_ x_

8 x 10 = 80 8 x 10 = 8 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x8 x8 x8	x_ x_ x_

10 x 9 = 90 10 x 9 = 10 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x9 x9 x9	x_ x_ x_

10x10 = 100 10 x 10 = 10 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x10 x10 x10	x_ x_ x_

11 x10= 110 11 x 10 = 11 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x10 x10 x10	x_ x_ x_

12x10 = 120 12 x 10 = 12 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x10 x10 x10	x_ x_ x_

Talk The Talk 10s version 1

name_____

10 x 3 = 30 10 x 3 = 10 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x3 x3 x3	x_ x_ x_

10 x 4 = 40 10 x 4 = 10 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x4 x4 x4	x_ x_ x_

10 x 5 = 50 10 x 5 = 10 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x5 x5 x5	x_ x_ x_

10 x 6 = 60 10 x 6 = 10 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x6 x6 x6	x_ x_ x_

10 x 7 = 70 10 x 7 = 10 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x7 x7 x7	x_ x_ x_

10 x 8 = 80 10 x 8 = 10 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x8 x8 x8	x_ x_ x_

10 x 9 = 90 10 x 9 = 10 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x9 x9 x9	x_ x_ x_

10x10 = 100 10 x 10 = 10 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x10 x10 x10	x_ x_ x_

10 x11= 110 10 x 11 = 10 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x10 x10 x10	x_ x_ x_

10x12 = 120 10 x 12 = 10 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x10 x10 x10	x_ x_ x_

Talk The Talk 10s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 10

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

10 x ☐ = 20

10 x 7 = ☐

☐ x 10 = 60

8 x 10 = ☐

12 x 10 = ☐

☐ x 10 = 90

6 x ☐ = 60

9 x 10 = ☐

10 x ☐ = 20

10 x 4 = ☐

☐ x 11 = 110

3 x 10 = ☐

10 x ☐ = 90

10 x 6 = ☐

☐ x 8 = 80

7 x 10 = ☐

8 x 10 = ☐

9 x ☐ = 90

☐ x 7 = 70

10 x 5 = ☐

What Is Missing? 10s version 1

name_____

10 x ☐ = 30

10 x 7 = ☐

☐ x 12 = 120

8 x 10 = ☐

12 x 10 = ☐

☐ x 10 = 90

10 x ☐ = 70

10 x 10 = ☐

10 x ☐ = 80

10 x 4 = ☐

☐ x 11 = 110

3 x 10 = ☐

10 x ☐ = 90

6 x 10 = ☐

☐ x 10 = 70

10 x 11 = ☐

10 x 11 = ☐

10 x ☐ = 80

☐ x 6 = 60

10 x 7 = ☐

What Is Missing? 10s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
2 x 10 = 20	10 + 10 = 20
9 x 10 =	
8 x 10 =	
10 x 9 =	
10 x 11 =	
10 x 3 =	
3 x 10 =	
10 x 12 =	
10 x 10 =	

Repeat That? 10s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
10 x 9 = 90	9 + 9 + 9 +9 + 9 + 9 + 9 +9 + 9 + 9 = 90
6 x 10 =	
4 x 10 =	
1 x 10 =	
10 x 7 =	
10 x 5 =	
8 x 10 =	
3 x 10 =	
8 x 10 =	

Repeat That? 10s version 2

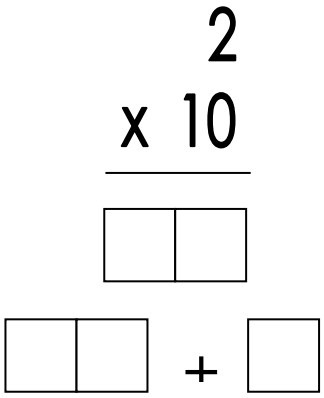
www.PEPnonprofit.org

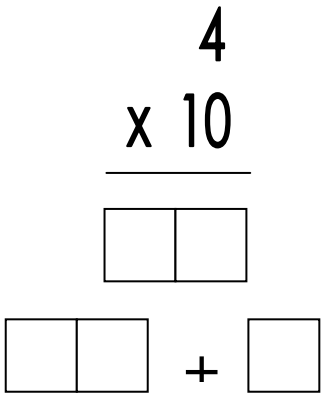
name_____

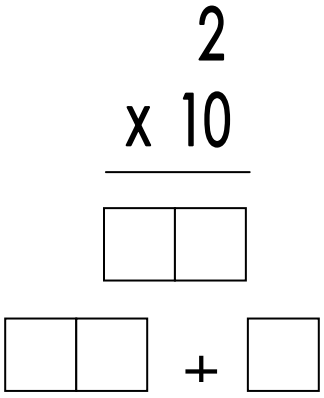
7 x 10 = □□ = □□ + □	8 x 10 = □□ = □□ + □	2 x 10 = □□ = □□ + □
4 x 10 = □□ = □□ + □	10 x 9 = □□ = □□ + □	5 x 10 = □□ = □□ + □
6 x 10 = □□ = □□ + □	10 x 7 = □□ = □□ + □	12 x 10 = □□□ = □□□ + □□ + □
5 x 10 = □□ = □□ + □	2 x 10 = □□ = □□ + □	10 x 8 = □□ = □□ + □

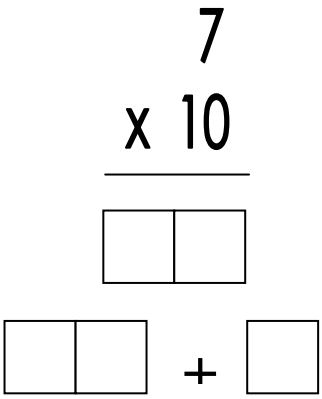
Expand The Value 10s version 1

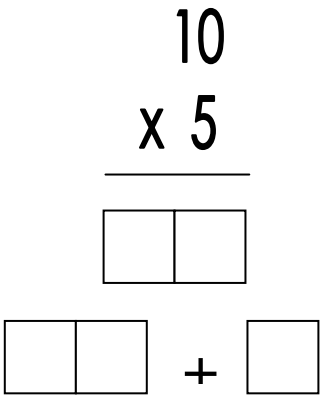
name_____

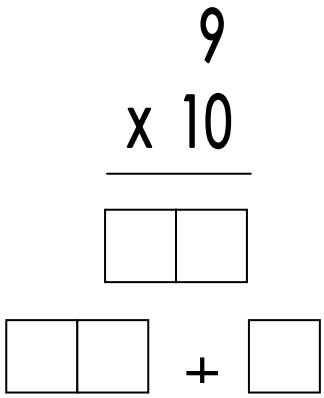


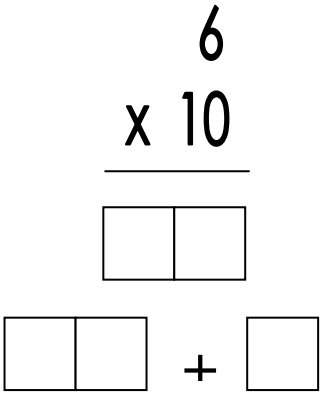


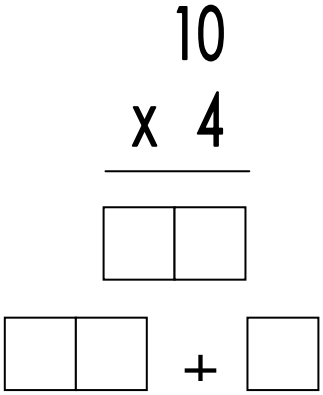


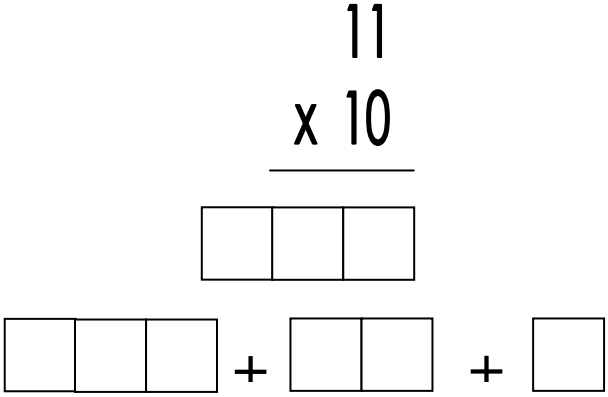


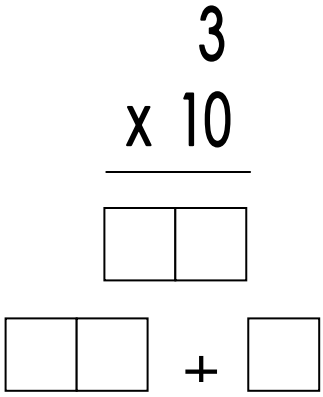


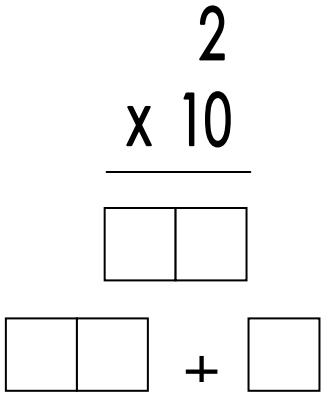


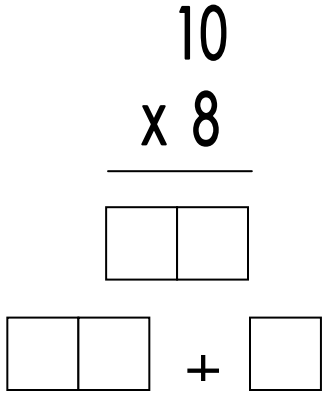












Expand The Value 10s version 2

name_____

10 x 9 =	10 x 5 =	12 x 10 =
9 x 10 =	8 x 10 =	3 x 10 =
10 x 10 =	7 x 10 =	10 x 6 =
10 x 11 =	9 x 10 =	10 x 4 =

Prime Time 10s version 1

name_____

10 x 12 =	10 x 8 =	10 x 9 =
10 x 6 =	10 x 10 =	10 x 4 =
10 x 3 =	10 x 7 =	10 x 12 =
10 x 11 =	10 x 2 =	9 x 10 =

Prime Time 10s version 2

name_____

5 x 10	10 x 4			10 x 2	10 x 6		10 x 7	
		70	90			20		60

	10 x 9	10 x 7		10 x 4	10 x 2	10 x 9	6 x 10	
30			40					90

10 x 5				7 x 10				9 x 10
	20	30	40		110	90	120	

	10 x 3	10 x 9		10 x 4	2 x 10	10 x 9	10 x 5	
80			60					20

3 x 10			7 x 10	10 x 5				4 x 10
	50	70			110	80	40	

Put It All Together 10s version 1

name_____

6 x 10	10 x 2			10 x 4	10 x 9			
		70	100			120	80	60

	10 x 9	10 x 2		10 x 4	10 x 5	10 x 7	6 x 10	
70			100					90

10 x 3				4 x 10				9 x 10
	70	110	40		120	10	100	

	10 x 7	10 x 4		10 x 6	3 x 10	10 x 8	10 x 3	
80			90					80

			5 x 10	10 x 7				2 x 10
60	50	90			60	90	80	

Put It All Together 10s version 2

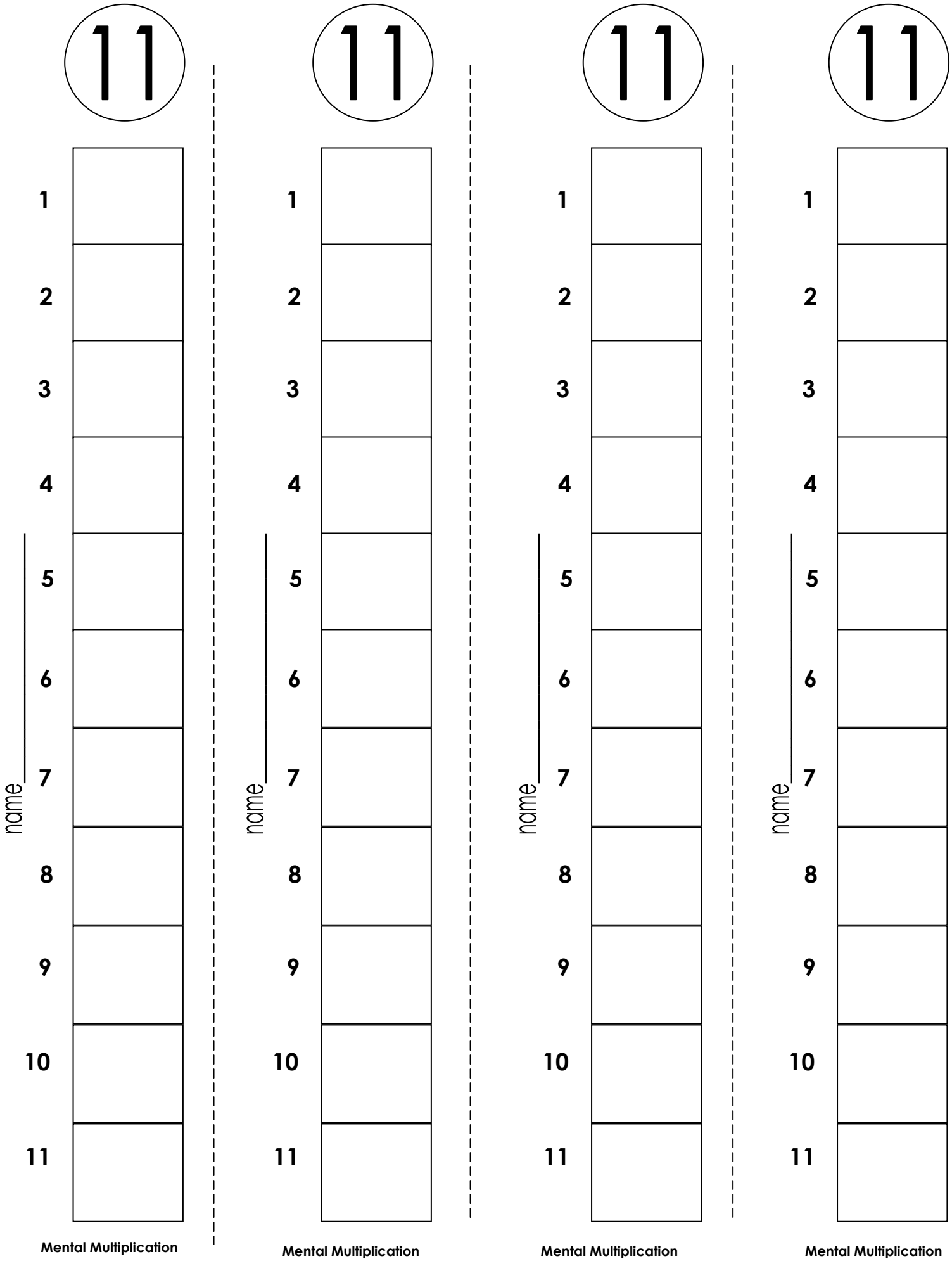
name_____

2 x 10	10 x 8			10 x 2	10 x 2		10 x 8	
		80	100			20		70
	10 x 9	10 x 1		10 x 2	10 x 4	10 x 9		
90			120				50	90
10 x 4				7 x 10				5 x 10
	100	30	70		110	90	70	
	10 x 3	10 x 2		10 x 4	6 x 10	10 x 2	10 x 5	
30			100					50
3 x 10			7 x 10	10 x 6				9 x 10
	30	40			100	80	70	

Put It All Together 10s version 3

11S SECTION

www.PEPnonprofit.org


11
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
11
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
11
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication
11
1
2
3
4
5
6
7
8
9
10
11
name
Mental Multiplication

Find The Factors 11s

11	22	33	44	55	66
1 x 11					
11 x 1					

77	88	99	110	121	132

name_____

11s version 1

name

22	**2 x 11**	thirty three
44	**6 x 11**	eighty eight
77	**8 x 11**	twenty two
88	**9 x 11**	ninety nine
99	**1 x 11**	one hundred ten
121	**3 x 11**	eleven
110	**11 x 10**	one hundred thirty two
132	**11 x 11**	sixty six
11	**4 x 11**	seventy seven
33	**11 x 12**	forty four
55	**7 x 11**	fifty five
66	**5 x 11**	one hundred twenty one

Multiplication Match

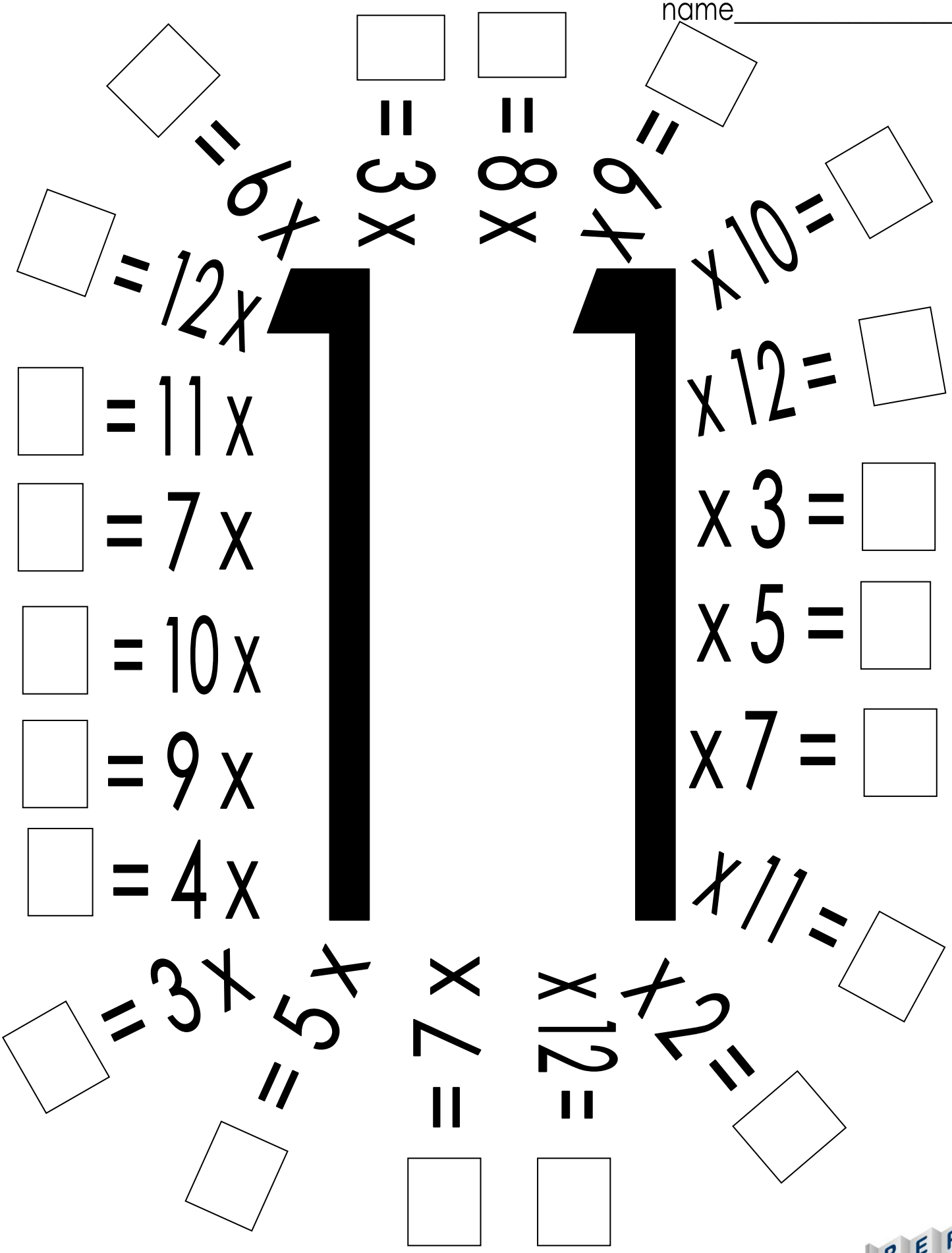
11s version 2

name

121	**8 x 11**	ninety nine
33	**9 x 11**	forty four
77	**2 x 11**	one hundred thirty two
11	**12 x 11**	eleven
132	**1 x 11**	seventy seven
22	**3 x 11**	one hundred ten
99	**11 x 11**	twenty two
55	**10 x 11**	sixty six
44	**11 x 6**	one hundred twenty one
110	**4 x 11**	thirty three
66	**5 x 11**	fifty five
88	**7 x 11**	eighty eight

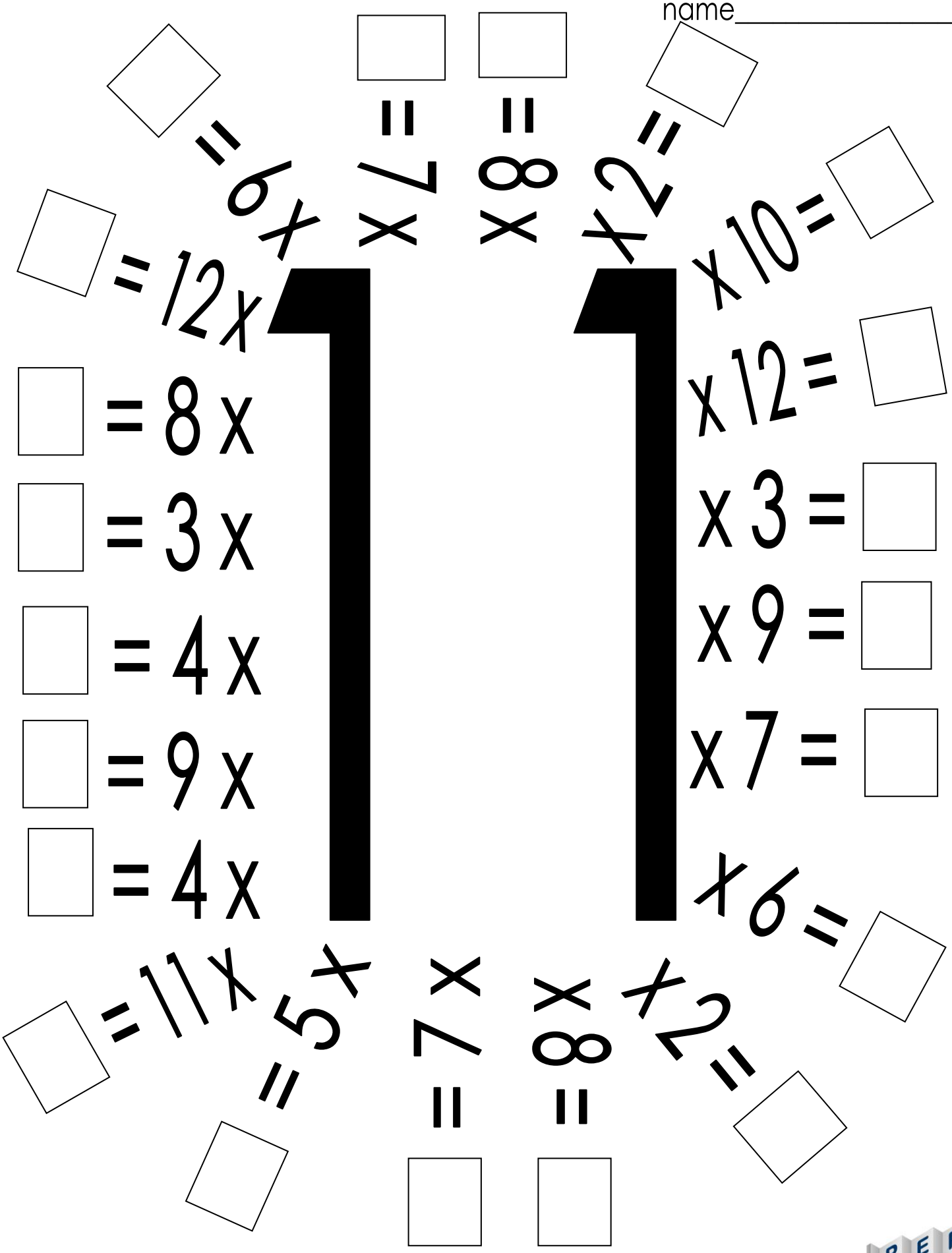
Multiplication Match

name_____



Left-Right Write 11s Version 1

name_____



Left-Right Write 11s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 5 letters in each envelope. How many letters are there in 11 envelopes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each birthday card costs $3. How much would 11 birthday cards cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Erin has 8 packs of stamps. Each pack holds 11 stamps. How many total stamps does Erin have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 2 pineapples in a box. How many in pineapples are there in 11 boxes?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 4 crayons. If there are 11 children, how many crayons are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Cody read 5 poems. Each poem has 11 words in it. How many words did Cody read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 11s Version 1

name_____

Word Problem?	**Numeric Answer**
Tony buys 10 packs of gum. Each pack has 11 pieces. How many pieces of gum does Tony have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 9 pieces of paper. How many pieces of paper do 11 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 11 medals. If there are 9 boys, how many medals are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 4 stories in a book. How many stories are in 11 books?	**Complete Sentence Answer**
	Visual Answer

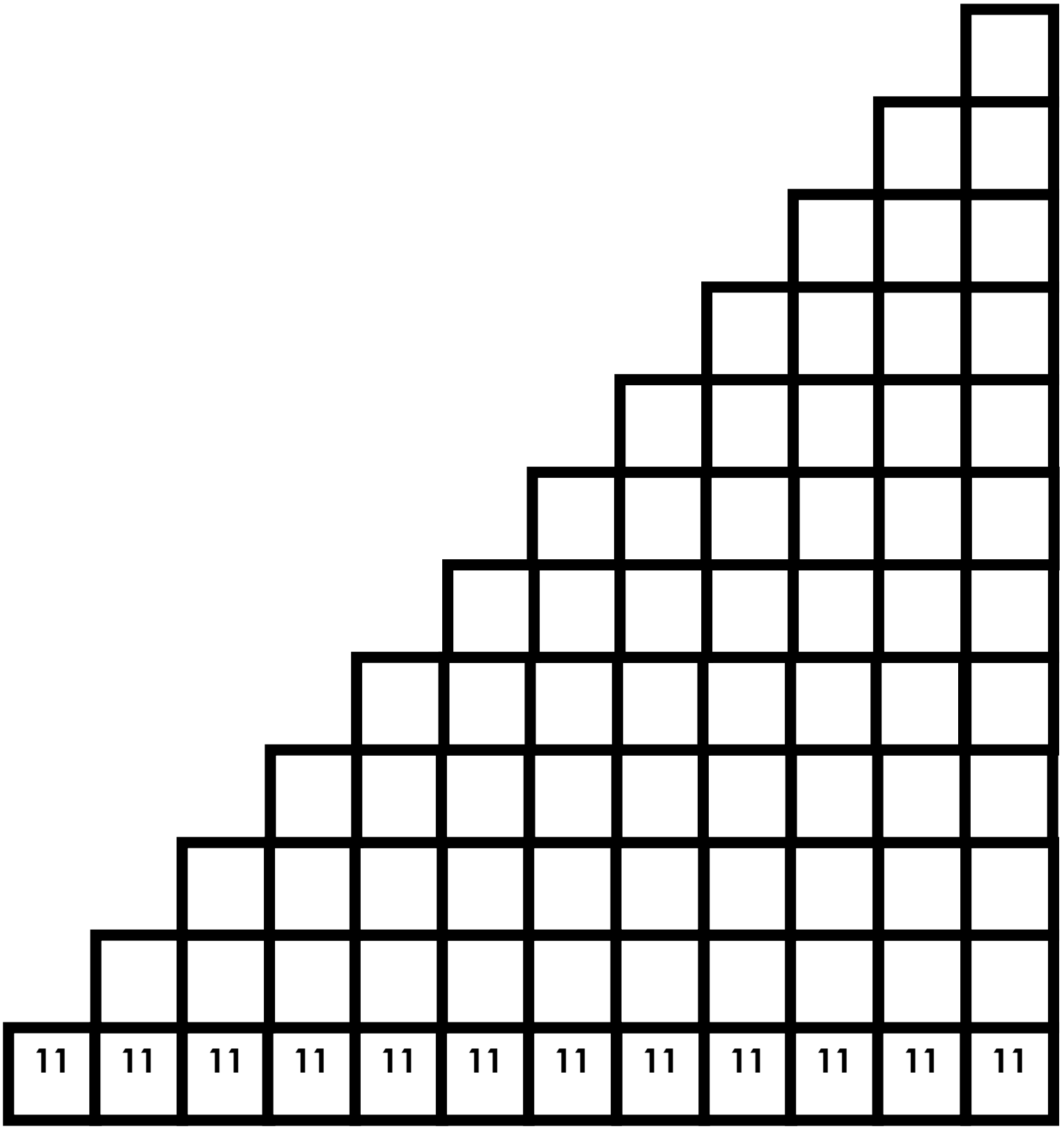
Word Problem?	**Numeric Answer**
Eric has 12 boxes of tissue. If each box has 11 tissues in it, how many tissues are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Jayden buys 2 bags of bread. Each bag has 11 slices of bread in it. How many slices of bread does Jayden have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 11s version 2

name_____

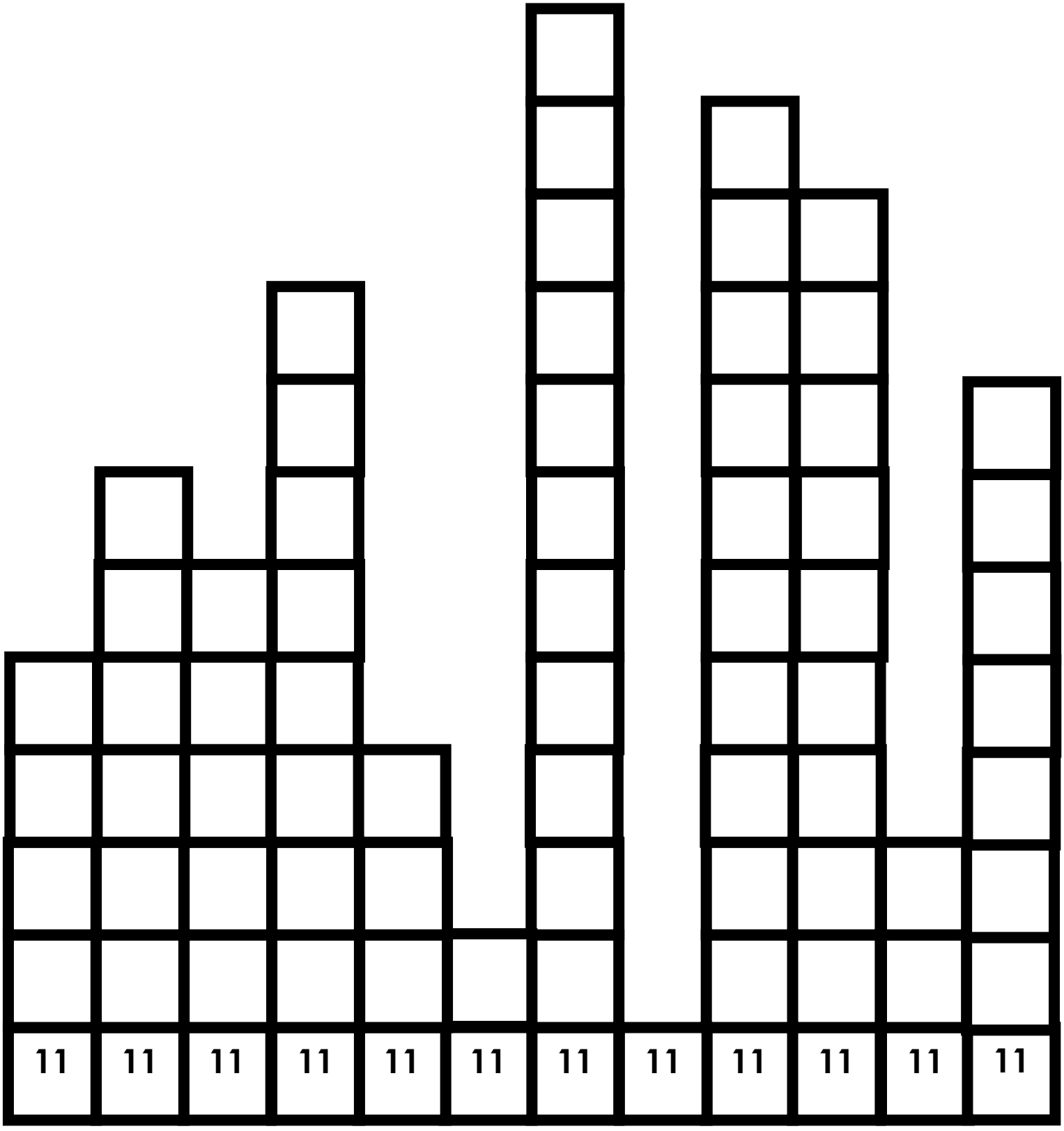
Stair Steps 11s version 1



1x11	2x11	3x11	4x11	5x11	6x11	7x11	8x11	9x11	10x11	11x11	12x11

name_____

Stair Steps 11s version 2



5x11	7x11	6x11	9x11	4x11	2x11	12x11	1x11	11x11	10x11	3x11	8x11

name_____

11 x 3 = 33 11 x 3 = 11 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x3 x3 x3	x_ x_ x_

11 x 4 = 44 11 x 4 = 11 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x4 x4 x4	x_ x_ x_

11 x 5 = 55 11 x 5 = 11 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x5 x5 x5	x_ x_ x_

11 x 6 = 66 11 x 6 = 11 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x6 x6 x6	x_ x_ x_

11 x 7 = 77 11 x 7 = 11 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x7 x7 x7	x_ x_ x_

11 x 8 = 88 11 x 8 = 11 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x8 x8 x8	x_ x_ x_

11 x 9 = 99 11 x 9 = 11 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x9 x9 x9	x_ x_ x_

11x10 = 110 11 x 10 = 11 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x11 x11 x11	x_ x_ x_

11 x11= 121 11 x 11 = 11 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x11 x11 x11	x_ x_ x_

12x11 = 132 12 x 11 = 12 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x11 x11 x11	x_ x_ x_

Talk The Talk 11s version 1

name_____

11 x 3 = 33 11 x 3 = 11 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x3 x3 x3	x_ x_ x_

11 x 4 = 44 11 x 4 = 11 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x4 x4 x4	x_ x_ x_

11 x 5 = 55 11 x 5 = 11 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x5 x5 x5	x_ x_ x_

11 x 6 = 66 11 x 6 = 11 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x6 x6 x6	x_ x_ x_

11 x 7 = 77 11 x 7 = 11 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x7 x7 x7	x_ x_ x_

11 x 8 = 88 11 x 8 = 11 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x8 x8 x8	x_ x_ x_

11 x 9 = 99 11 x 9 = 11 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x9 x9 x9	x_ x_ x_

11x10 = 110 11 x 10 = 11 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x11 x11 x11	x_ x_ x_

11 x11= 121 11 x 11 = 11 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	11 11 11 x11 x11 x11	x_ x_ x_

11x12 = 120 11 x 12 = 11 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x11 x11 x11	x_ x_ x_

Talk The Talk 11s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 11

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

11 x ☐ = 22

11 x 7 = ☐

☐ x 11 = 66

8 x 11 = ☐

12 x 11 = ☐

☐ x 11 = 99

6 x ☐ = 66

9 x 11 = ☐

11 x ☐ = 22

11 x 4 = ☐

☐ x 11 = 110

3 x 11 = ☐

11 x ☐ = 99

11 x 6 = ☐

☐ x 8 = 88

7 x 11 = ☐

8
x 11

☐

9
x ☐

99

☐

x 7

77

11
x 5

☐

name_____

11 x ☐ = 33

11 x 7 = ☐

☐ x 12 = 132

8 x 11 = ☐

12 x 11 = ☐

☐ x 11 = 99

11 x ☐ = 77

11 x 10 = ☐

11 x ☐ = 88

11 x 4 = ☐

☐ x 11 = 132

3 x 11 = ☐

11 x ☐ = 121

6 x 11 = ☐

☐ x 11 = 77

10 x 11 = ☐

10
x 11

☐

10
x ☐

99

☐

x 6

66

11
x 7

☐

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
2 x 11 = 22	11 + 11 = 22
4 x 11 =	
8 x 11 =	
11 x 9 =	
10 x 11 =	
11 x 3 =	
3 x 11 =	
11 x 12 =	
1 x 11 =	

Repeat That? 11s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
11 x 9 = 99	9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 = 99
6 x 11 =	
4 x 11 =	
1 x 11 =	
11 x 7 =	
11 x 5 =	
8 x 11 =	
3 x 11 =	
8 x 11 =	

Repeat That? 11s version 2

www.PEPnonprofit.org

name_____

$$\begin{array}{r} 7 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 8 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 2 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 12 \\ \times\ 11 \\ \hline \square\square\square \end{array} \qquad \square\square\square + \square\square + \square$$

$$\begin{array}{r} 11 \\ \times\ 9 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 5 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 6 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 11 \\ \times\ 7 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 11 \\ \times\ 11 \\ \hline \square\square\square \end{array} \qquad \square\square\square + \square\square + \square$$

$$\begin{array}{r} 5 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 2 \\ \times\ 11 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

$$\begin{array}{r} 11 \\ \times\ 8 \\ \hline \square\square \end{array} \qquad \square\square + \square$$

Expand The Value 11s version 1

name_____

5 x 11 = ☐☐ = ☐☐ + ☐

8 x 11 = ☐☐ = ☐☐ + ☐

6 x 11 = ☐☐ = ☐☐ + ☐

12 x 11 = ☐☐☐ = ☐☐☐ + ☐☐ + ☐

11 x 2 = ☐☐ = ☐☐ + ☐

5 x 11 = ☐☐ = ☐☐ + ☐

2 x 11 = ☐☐ = ☐☐ + ☐

11 x 6 = ☐☐ = ☐☐ + ☐

11 x 10 = ☐☐☐ = ☐☐☐ + ☐☐ + ☐

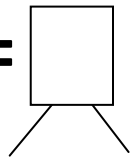
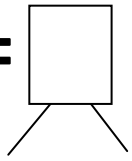
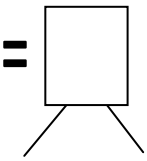
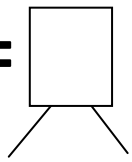
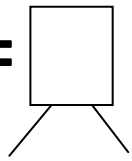
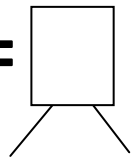
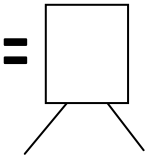
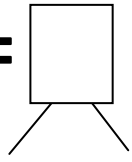
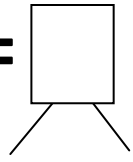
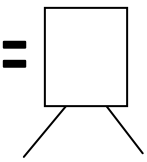
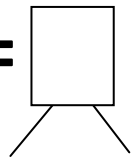
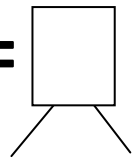
5 x 11 = ☐☐ = ☐☐ + ☐

7 x 11 = ☐☐ = ☐☐ + ☐

11 x 3 = ☐☐ = ☐☐ + ☐

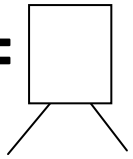
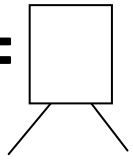
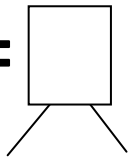
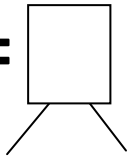
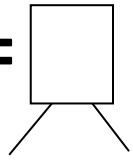
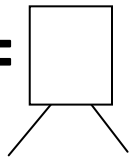
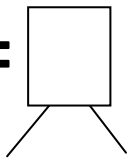
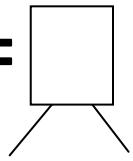
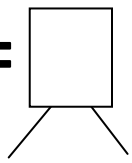
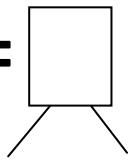
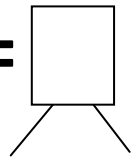
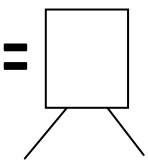
Expand The Value 11s version 2

name_____

11 x 9 = 	11 x 5 = 	12 x 11 = 
9 x 11 = 	8 x 11 = 	3 x 11 = 
10 x 11 = 	7 x 11 = 	11 x 6 = 
11 x 11 = 	9 x 11 = 	11 x 4 = 

Prime Time 11s version 1

name_____

11 x 6 = 	11 x 5 = 	4 x 11 = 
9 x 11 = 	8 x 11 = 	10 x 11 = 
12 x 11 = 	7 x 11 = 	11 x 10 = 
9 x 11 = 	4 x 11 = 	11 x 12 = 

Prime Time 11s version 2

name_____

5 x 11	11 x 4			11 x 2	11 x 6		11 x 7	
		77	99			22		66
	11 x 9	11 x 7		11 x 4	11 x 2	11 x 9	6 x 11	
33			44					99
11 x 5				7 x 11				9 x 11
	22	33	44		110	99	121	
	11 x 3	11 x 9		11 x 4	2 x 11	11 x 9	11 x 5	
88			66					22
3 x 11			7 x 11	11 x 5				4 x 11
	55	77			132	88	44	

Put It All Together 11s version 1

name_____

8 x 11	11 x 6			11 x 4	11 x 6			
		132	99			44	33	66

	11 x 9	11 x 2		11 x 10	11 x 5	11 x 9	8 x 11	
33			44					110

11 x 3				7 x 11				9 x 11
	22	66	44		110	88	121	

	11 x 11	11 x 9		11 x 4	2 x 11	11 x 8	11 x 5	
77			132					132

6 x 11			7 x 11	11 x 9				4 x 11
	44	77			132	22	44	

Put It All Together 11s version 2

name_____

4 x 11	11 x 3			11 x 3	11 x 6			
		110	99			44	88	66

	11 x 9	11 x 2		11 x 12	11 x 3	11 x 9	4 x 11	
99			66					110

11 x 9				7 x 11	11 x 5			6 x 11
	22	44	44			88	121	

11 x 8	11 x 11			11 x 4	9 x 11	11 x 2	11 x 7	
		44	132					132

			7 x 11	11 x 9				8 x 11
66	44	110			132	22	99	

Put It All Together 11s version 3

12S SECTION

www.PEPnonprofit.org

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

1
2
3
4
5
6
7
8
9
10
11

name_____

Mental Multiplication

Find The Factors 12s

12

1 x 12

12 x 1

2 x 6

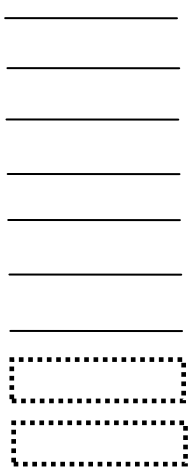
6 x 2

3 x 4

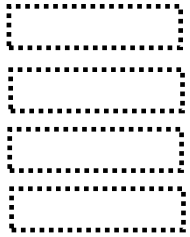
4 x 3

24

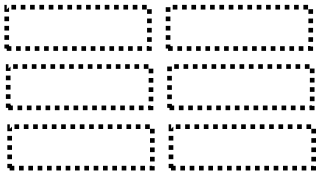
36



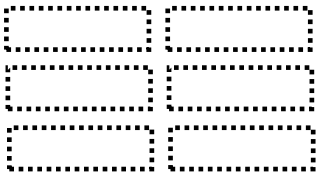
48



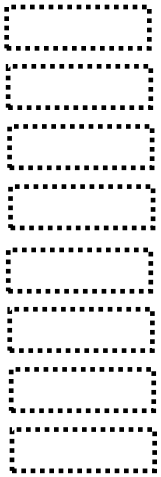
60



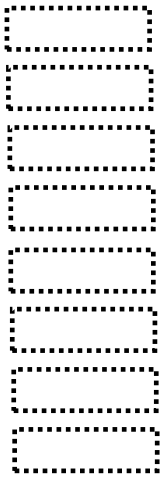
72



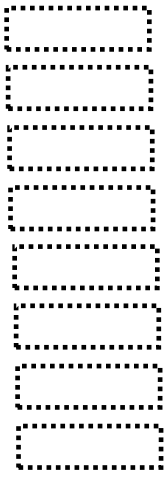
84



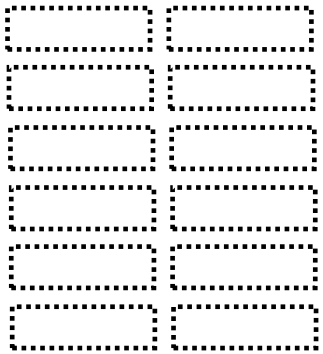
96



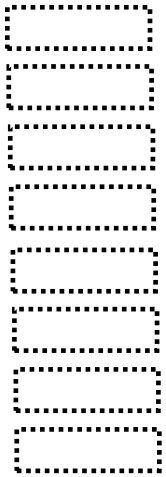
108



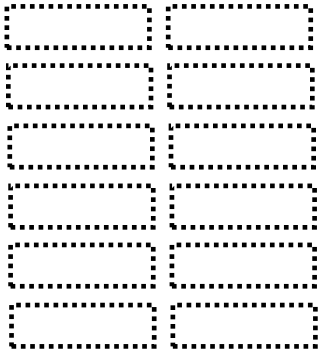
120



132



144



name_____

www.PEPnonprofit.org

12s version 1

name

24	**2 x 12**	thirty six
48	**6 x 12**	ninety six
84	**4 x 12**	twenty four
96	**9 x 12**	one hundred eight
108	**1 x 12**	one hundred twenty
132	**8 x 12**	twelve
120	**12 x 10**	one hundred forty four
144	**12 x 11**	seventy two
12	**3 x 12**	eighty four
36	**12 x 12**	forty eight
60	**7 x 12**	sixty
72	**5 x 12**	one hundred thirty two

Multiplication Match

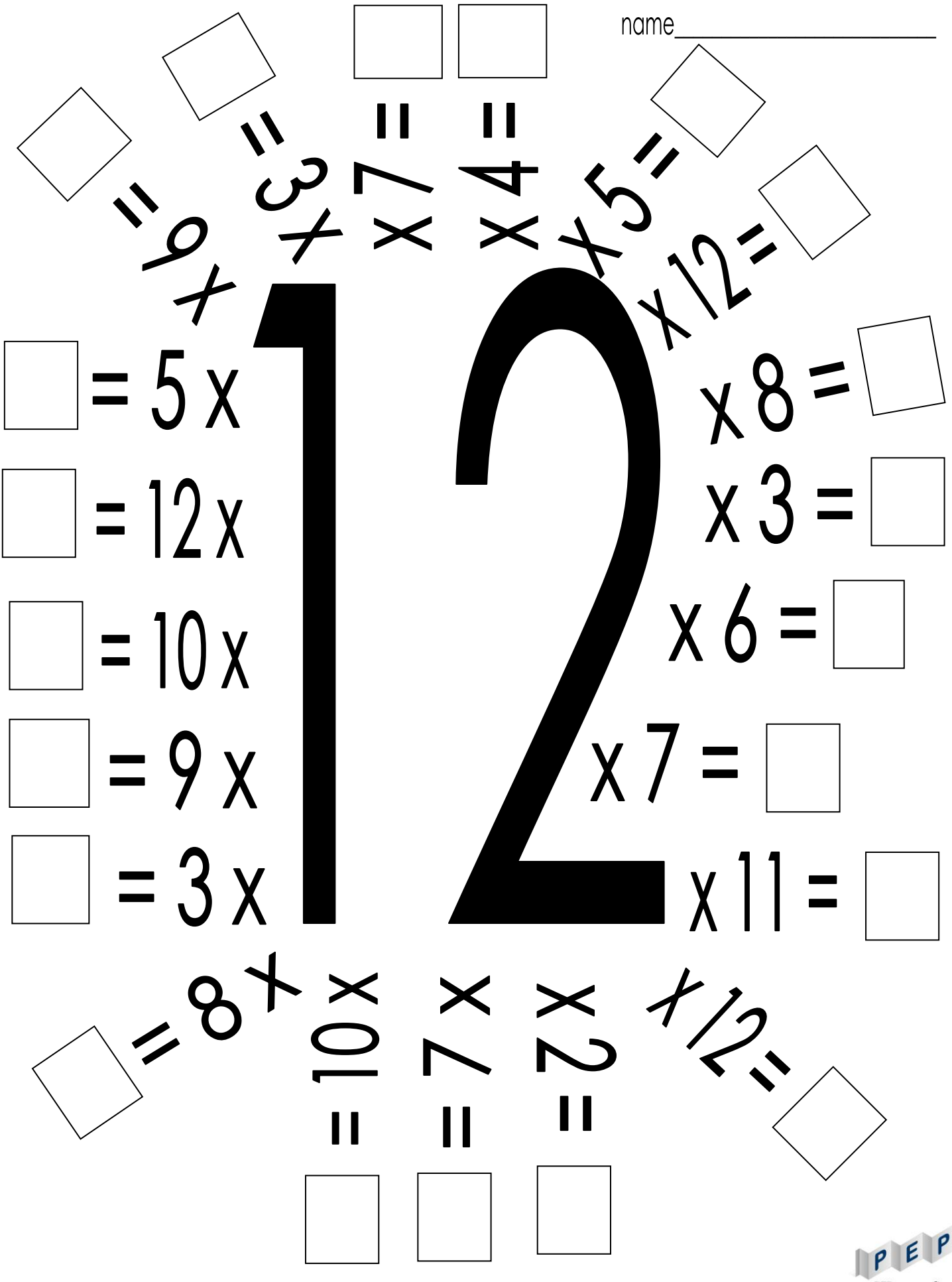
12s version 2

name

132	**1 x 12**	thirty six
36	**9 x 12**	ninety six
84	**2 x 12**	twenty four
12	**12 x 12**	one hundred eight
144	**8 x 12**	one hundred twenty
24	**5 x 12**	twelve
108	**7 x 12**	one hundred forty four
60	**10 x 12**	seventy two
48	**12 x 6**	eighty four
120	**4 x 12**	forty eight
72	**3 x 12**	sixty
96	**12 x 11**	one hundred thirty two

Multiplication Match

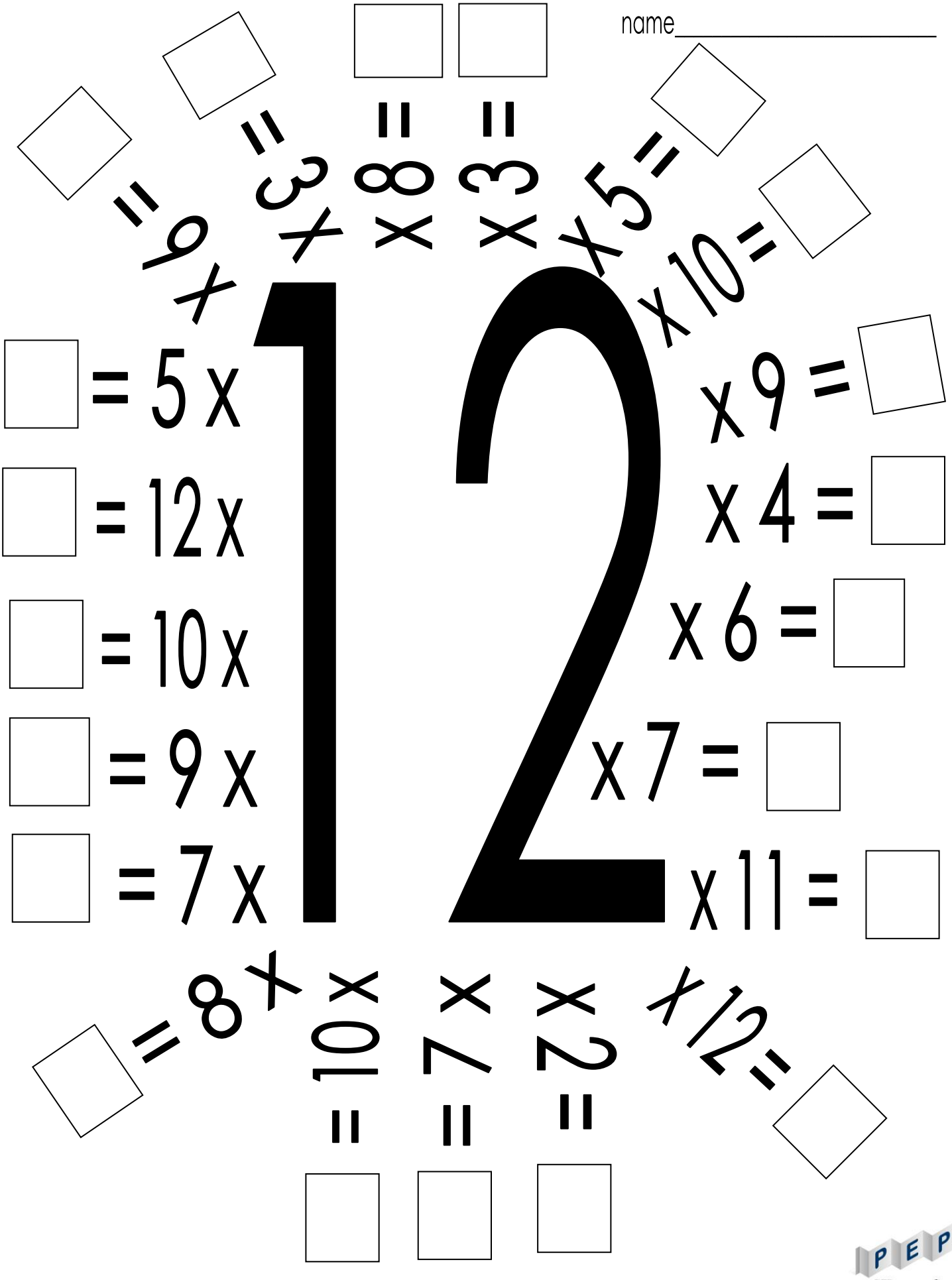
name_____



www.PEPnonprofit.org

Left-Right Write 12s Version 1

name_____



Left-Right Write 12s Version 2

name_____

Word Problem?	**Numeric Answer**
There are 2 candy bars in each package. How many candy bars are there in 12 packages?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each book costs $12. How much would 12 books cost?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Luz has 8 packs of gum. Each pack holds 12 pieces. How many total pieces of gum does Luz have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 11 chess pieces in a set. How many in chess pieces are there in 12 sets?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 4 different math problems. If there are 12 children, how many math problems are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Billy read 6 novels. Each novel has 12 short stories in it. How many short stories did Billy read?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 12s Version 1

name_____

Word Problem?	**Numeric Answer**
Ted buys 10 bags of potatoes. Each bag has 12 potatoes. How many potatoes does Ted have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each student has 3 pens. How many pens do 12 students have?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Each boy has 12 trophies. If there are 9 boys, how many trophies are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
There are 4 families in an apartment building. How many families are in 12 apartment buildings?	**Complete Sentence Answer**
	Visual Answer

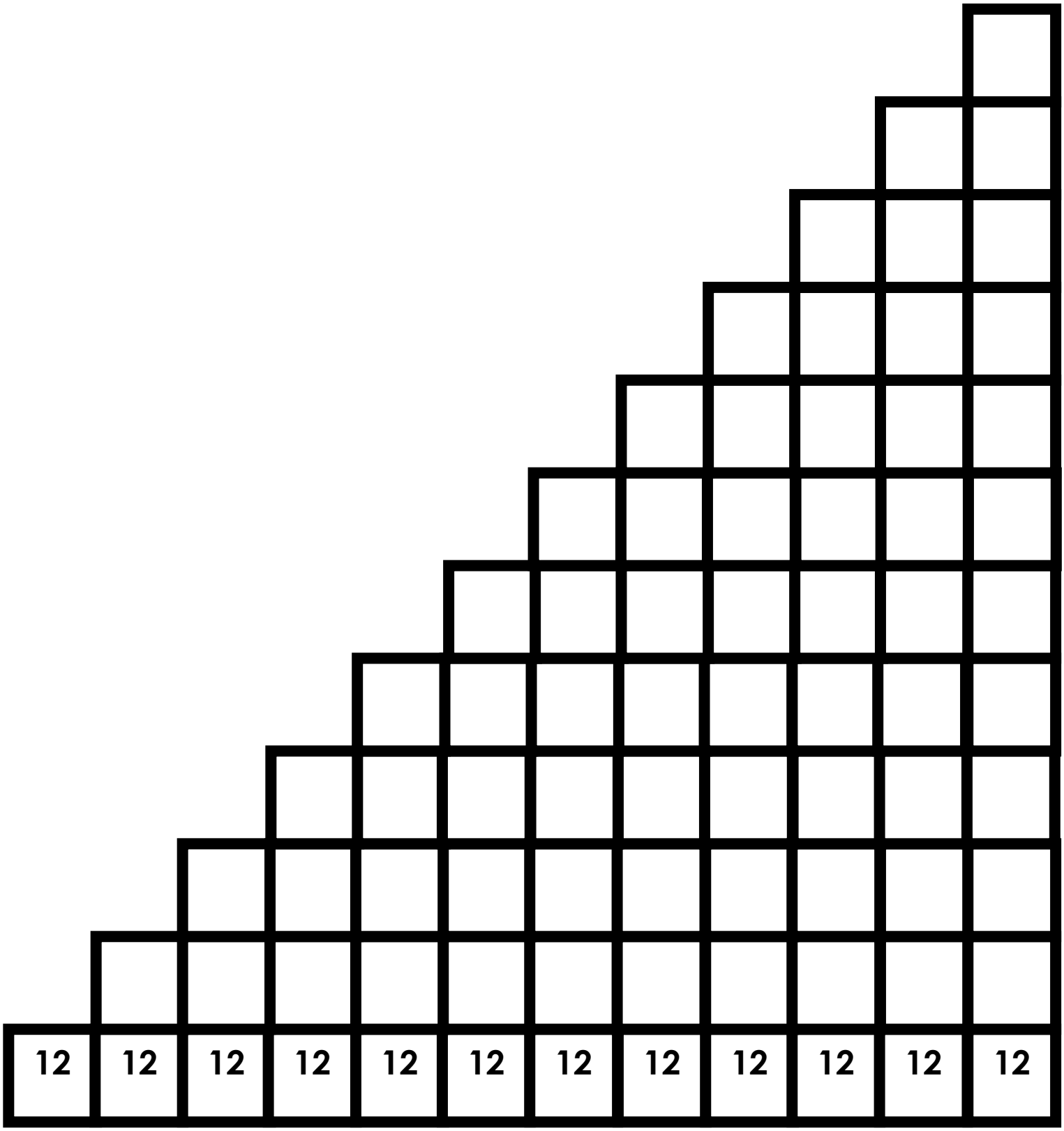
Word Problem?	**Numeric Answer**
Kyle has 12 boxes of shoes. If each box has 2 shoes in it, how many shoes are there in total?	**Complete Sentence Answer**
	Visual Answer

Word Problem?	**Numeric Answer**
Kathy buys 5 bags of peanuts. Each bag has 12 peanuts in it. How many peanuts does Kathy have?	**Complete Sentence Answer**
	Visual Answer

Answer-Answer-Answer 12s version 2

name_____

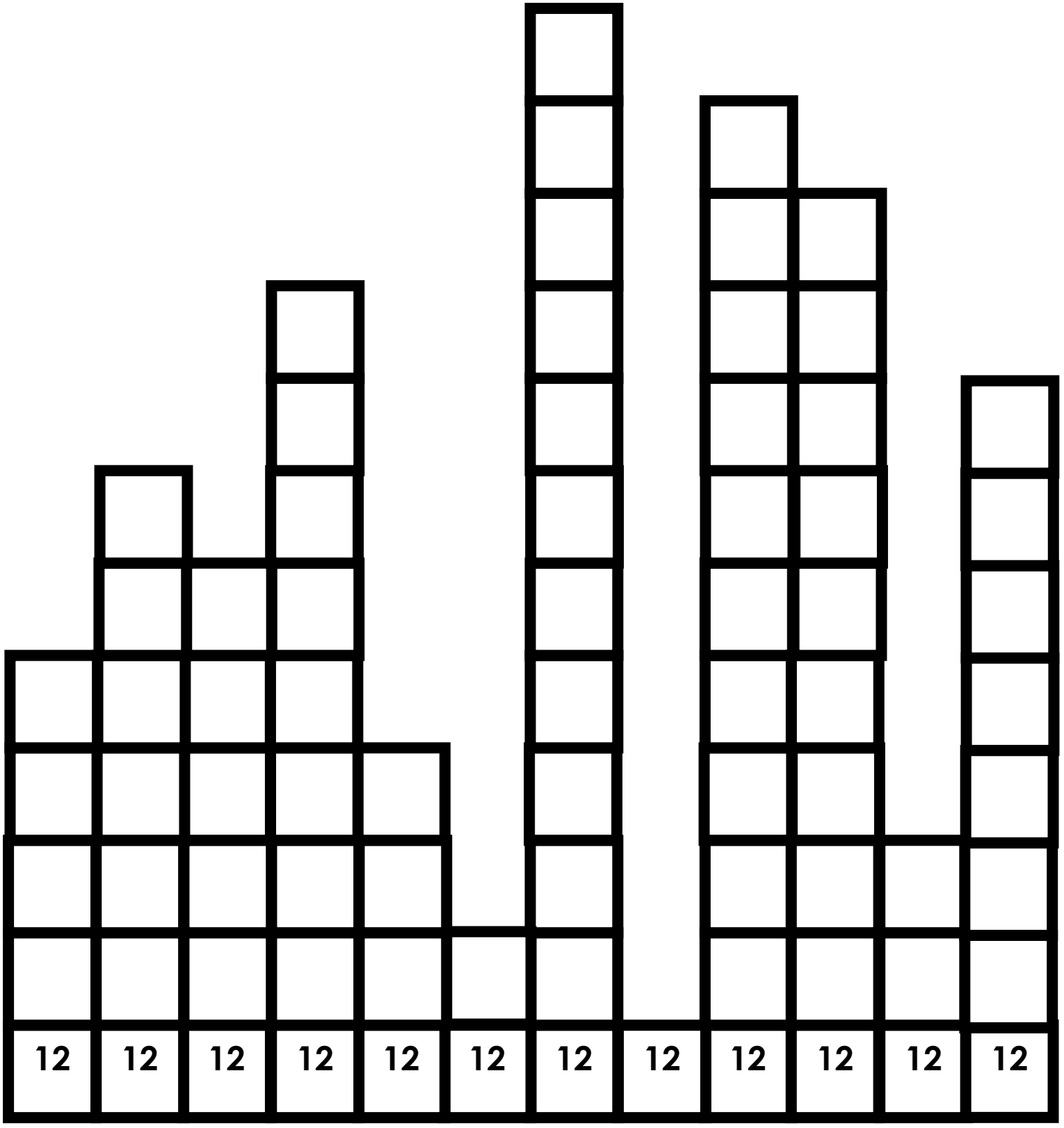
Stair Steps 12s version 1



1x12	2x12	3x12	4x12	5x12	6x12	7x12	8x12	9x12	10x12	11x12	12x12

name_____

Stair Steps 12s version 2



5x12	7x12	6x12	9x12	4x12	2x12	12x12	1x12	11x12	10x12	3x12	8x12

name_____

12 x 3 = 36 12 x 3 = 12 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x3 x3 x3	x x x

12 x 4 = 48 12 x 4 = 12 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x4 x4 x4	x x x

12 x 5 = 60 12 x 5 = 12 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x5 x5 x5	x x x

12 x 6 = 72 12 x 6 = 12 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x6 x6 x6	x x x

12 x 7 = 84 12 x 7 = 12 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x7 x7 x7	x x x

12 x 8 = 96 12 x 8 = 12 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x8 x8 x8	x x x

12 x 9 = 108 12 x 9 = 12 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x9 x9 x9	x x x

10x12 = 120 10 x 12 = 10 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x12 x12 x12	x x x

11 x12= 132 11 x 12 = 11 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x11 x11 x11	x x x

12x11 = 144 12 x 11 = 12 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x12 x12 x12	x x x

Talk The Talk 12s version 1

name_____

12 x 3 = 36 12 x 3 = 12 x 3 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x3 x3 x3	x_ x_ x_

12 x 4 = 48 12 x 4 = 12 x 4 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x4 x4 x4	x_ x_ x_

12 x 5 = 60 12 x 5 = 12 x 5 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x5 x5 x5	x_ x_ x_

12 x 6 = 72 12 x 6 = 12 x 6 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x6 x6 x6	x_ x_ x_

12 x 7 = 84 12 x 7 = 12 x 7 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x7 x7 x7	x_ x_ x_

12 x 8 = 96 12 x 8 = 12 x 8 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x8 x8 x8	x_ x_ x_

12 x 9 = 108 12 x 9 = 12 x 9 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x9 x9 x9	x_ x_ x_

12x10 = 120 12 x 10 = 12 x 10 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	10 10 10 x12 x12 x12	x_ x_ x_

12 x11= 132 12 x 11 = 12 x 11 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x11 x11 x11	x_ x_ x_

12x12 = 144 12 x 12 = 12 x 12 =	__ x __ = ___ __ x __ = ___ __ x __ = ___	12 12 12 x12 x12 x12	x_ x_ x_

Talk The Talk 12s version 2

52 Flip

name_____

Jack=10 Queen=11 King=12 Ace=1

Multiply By 12

START			
			FINISH

Place Deck Here

Place X Cards Here

name_____

$12 \times \square = 24$

$12 \times 7 = \square$

$\square \times 12 = 72$

$8 \times 12 = \square$

$12 \times 11 = \square$

$\square \times 12 = 108$

$6 \times \square = 72$

$9 \times 12 = \square$

$12 \times \square = 24$

$12 \times 4 = \square$

$\square \times 12 = 144$

$3 \times 12 = \square$

$12 \times \square = 108$

$12 \times 6 = \square$

$\square \times 8 = 96$

$7 \times 12 = \square$

$$\begin{array}{r} 8 \\ \times\ 12 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ \times\ \square \\ \hline 108 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 7 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 5 \\ \hline \square \end{array}$$

What Is Missing? 12s version 1

name_____

$12 \times \square = 36$

$12 \times 7 = \square$

$\square \times 12 = 132$

$8 \times 12 = \square$

$12 \times 12 = \square$

$\square \times 12 = 108$

$12 \times \square = 84$

$12 \times 10 = \square$

$12 \times \square = 96$

$12 \times 4 = \square$

$\square \times 11 = 132$

$3 \times 12 = \square$

$12 \times \square = 132$

$6 \times 12 = \square$

$\square \times 12 = 84$

$10 \times 12 = \square$

$$\begin{array}{r} 10 \\ \times\ 12 \\ \hline \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ \square \\ \hline 108 \end{array}$$

$$\begin{array}{r} \square \\ \times\ 6 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 7 \\ \hline \square \end{array}$$

What Is Missing? 12s version 2

www.PEPnonprofit.org

name_____

Multiplication Sentence	Repeated Addition Sentence
2 x 12 = 24	12 + 12 = 24
4 x 12 =	
8 x 12 =	
12 x 9 =	
10 x 12 =	
12 x 3 =	
3 x 12 =	
12 x 12 =	
1 x 12 =	

Repeat That? 12s version 1

name_____

Multiplication Sentence	Repeated Addition Sentence
12 x 9 = 108	9 +9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 = 108
6 x 12 =	
4 x 12 =	
1 x 12 =	
12 x 7 =	
12 x 5 =	
8 x 12 =	
3 x 12 =	
8 x 12 =	

Repeat That? 12s version 2

www.PEPnonprofit.org

name_____

$$\begin{array}{r} 7 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 8 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 2 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 12 \\ \hline \square\square\square \\ \square\square\square + \square\square + \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 4 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 6 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 7 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 11 \\ \hline \square\square\square \\ \square\square\square + \square\square + \square \end{array}$$

$$\begin{array}{r} 5 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 2 \\ \times\ 12 \\ \hline \square\square \\ \square\square + \square \end{array}$$

$$\begin{array}{r} 12 \\ \times\ 8 \\ \hline \square\square \\ \square\square + \square \end{array}$$

Expand The Value 12s version 1

name_____

$$6 \times 12 = \square\square = \square\square + \square$$

$$8 \times 12 = \square\square = \square\square + \square$$

$$7 \times 12 = \square\square = \square\square + \square$$

$$12 \times 12 = \square\square\square = \square\square\square + \square\square + \square$$

$$12 \times 3 = \square\square = \square\square + \square$$

$$5 \times 12 = \square\square = \square\square + \square$$

$$6 \times 12 = \square\square = \square\square + \square$$

$$12 \times 2 = \square\square = \square\square + \square$$

$$12 \times 11 = \square\square\square = \square\square\square + \square\square + \square$$

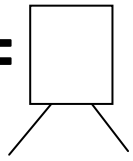
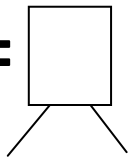
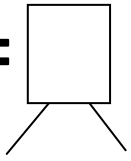
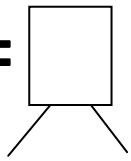
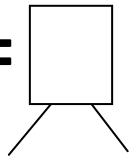
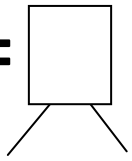
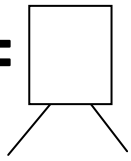
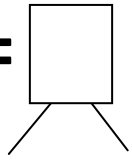
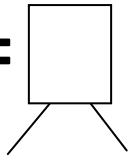
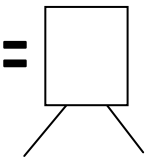
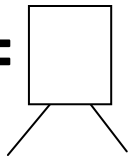
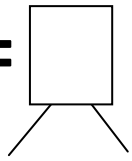
$$4 \times 12 = \square\square = \square\square + \square$$

$$7 \times 12 = \square\square = \square\square + \square$$

$$12 \times 8 = \square\square = \square\square + \square$$

Expand The Value 12s version 2

name_____

12 x 9 = 	12 x 10 = 	12 x 11 = 
9 x 12 = 	8 x 12 = 	3 x 12 = 
12 x 12 = 	7 x 12 = 	12 x 6 = 
11 x 12 = 	9 x 12 = 	12 x 4 = 

Prime Time 12s version 1

name_____

12 x 4 =	12 x 10 =	12 x 6 =
7 x 12 =	8 x 12 =	3 x 12 =
12 x 12 =	4 x 12 =	12 x 6 =
11 x 12 =	9 x 12 =	12 x 10 =

Prime Time 12s version 2

name_____

8 x 12	12 x 6			12 x 4	12 x 6			
		132	108			48	36	72

	12 x 9	12 x 2		11 x 12	12 x 5	12 x 9	8 x 12	
60			12					144

12 x 3				7 x 12				9 x 12
	24	60	72		120	96	132	

	12 x 12	12 x 9		12 x 4	2 x 12	12 x 8	12 x 5	
72			132					120

6 x 12			7 x 12	12 x 9				4 x 12
	48	84			132	36	48	

Put It All Together 12s version 1

name_____

3 x 12	12 x 4			12 x 4	12 x 3			
		144	12			48	36	96
	12 x 9	12 x 5		11 x 12	12 x 2	12 x 9	4 x 12	
72			12					120
12 x 6				7 x 12				9 x 12
	24	60	72		132	96	108	
	12 x 12	12 x 9		12 x 3	2 x 12	12 x 6	12 x 5	
60			132					96
			7 x 12	12 x 9				2 x 12
12	48	96			132	36	48	

Put It All Together 12s version 2

name_____

	12 x 6			12 x 4	12 x 6		7 x 12	
24		132	108			48		72

	12 x 9	12 x 3		11 x 12		12 x 9	5 x 12	
36			12		36			120

12 x 3				7 x 12				9 x 12
	24	60	72		120	96	132	

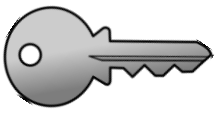
	12 x 12	12 x 7		12 x 6	2 x 12	12 x 8	12 x 5	
72			132					120

5 x 12			2 x 12	12 x 4			5 x 12	
	48	84			108	36		24

Put It All Together 12s version 3

Put It All Together

ANSWER KEYS



name_____

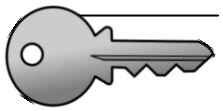
2 x 6	5 x 2	2 x 4	2 x 12	3 x 2	2 x 5	1 x 2	8 x 2	2 x 11
12	10	8	24	6	10	2	16	22

2 x 3	10 x 2	2 x 7	2 x 8	5 x 2	2 x 2	1 x 2	6 x 2	9 x 2
6	20	14	16	10	4	2	12	18

2 x 4	2 x 10	11 x 2	9 x 2	7 x 2	2 x 5	3 x 2	2 x 7	2 x 9
8	20	22	18	14	10	6	14	18

2 x 3	10 x 2	2 x 7	8 x 2	5 x 2	2 x 2	1 x 2	6 x 2	2 x 9
6	20	14	16	10	4	2	12	18

2 x 3	2 x 6	2 x 4	2 x 8	5 x 2	2 x 12	2 x 8	11 x 2	2 x 4
6	12	8	16	10	24	16	22	8



Put It All Together 2s version 1

name_____

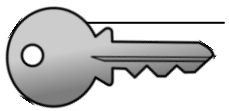
2 x 2	6 x 2	2 x 11	12 x 2	3 x 2	2 x 7	2 x 3	8 x 2	10 x 2
4	12	22	24	6	14	6	16	20

1 x 2	11 x 2	2 x 12	2 x 7	9 x 2	2 x 1	9 x 2	7 x 2	2 x 11
2	22	24	14	18	2	18	14	22

2 x 9	2 x 6	2 x 12	5 x 2	11 x 2	2 x 10	2 x 8	7 x 2	2 x 8
18	12	24	10	22	20	16	14	

8 x 2	12 x 2	2 x 8	2 x 6	4 x 2	2 x 8	7 x 2	6 x 2	2 x 9
16	24	16	12	8	16	14	12	18

2 x 3	2 x 6	3 x 2	2 x 8	5 x 2	12 x 2	2 x 10	11 x 2	2 x 9
6	12	6	16	10	24	20	22	18



Put It All Together 2s version 2

name_____

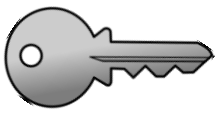
5 x 2	2 x 2	2 x 4	2 x 6	6 x 2	2 x 4	2 x 3	8 x 2	2 x 12
10	4	8	12	12	8	6	16	24

2 x 6	11 x 2	2 x 10	2 x 12	5 x 2	2 x 7	9 x 2	6 x 2	2 x 11
12	22	20	24	10	14	18	12	22

2 x 9	2 x 7	2 x 3	5 x 2	11 x 2	2 x 10	2 x 8	2 x 6	2 x 4
18	14	6	10	22	20	16	12	8

2 x 5	12 x 2	2 x 5	2 x 12	8 x 2	2 x 8	4 x 2	2 x 8	5 x 2
10	24	10	24	16	16	8	16	10

2 x 3	2 x 7	2 x 8	2 x 4	5 x 2	2 x 12	2 x 10	4 x 2	2 x 3
6	14	16	8	10	24	20	8	6



Put It All Together 2s version 3

name_____

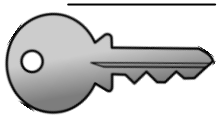
3 x 6	5 x 3	12 x 3	3 x 8	3 x 2	2 x 3	3 x 3	8 x 3	3 x 9
18	15	36	24	6	6	9	24	27

3 x 5	10 x 3	3 x 7	3 x 3	5 x 3	3 x 2	1 x 3	6 x 3	3 x 6
15	30	21	9	15	6	3	18	18

3 x 4	3 x 7	6 x 3	3 x 6	7 x 3	9 x 3	3 x 2	5 x 3	3 x 9
12	21	18	18	21	27	6	15	27

3 x 11	10 x 3	3 x 7	2 x 12	5 x 3	2 x 3	1 x 3	6 x 3	6 x 3
33	30	27	24	15	6	3	18	18

3 x 3	3 x 4	1 x 3	3 x 8	5 x 3	9 x 3	10 x 3	3 x 9	3 x 4
9	12	3	24	15	27	30	27	12



Put It All Together 3s version 1

name_____

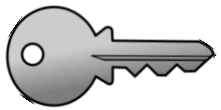
2 x 3	6 x 3	3 x 11	8 x 3	3 x 2	3 x 7	2 x 3	8 x 3	10 x 3
6	18	33	24	6	21	6	24	30

1 x 3	11 x 3	3 x 12	9 x 3	9 x 3	3 x 1	9 x 3	7 x 3	3 x 11
3	33	36	27	27	3	27	21	33

3 x 9	3 x 4	3 x 8	10 x 3	11 x 3	3 x 11	3 x 5	4 x 3	3 x 8
27	12	24	30	33	33	15	12	24

3 x 6	12 x 3	3 x 8	4 x 3	4 x 3	3 x 8	7 x 3	6 x 3	3 x 6
18	36	24	12	12	24	21	18	18

2 x 3	3 x 4	3 x 10	3 x 8	5 x 3	3 x 8	3 x 10	11 x 3	3 x 9
6	12	30	24	15	24	30	33	27



Put It All Together 3s version 2

name_____

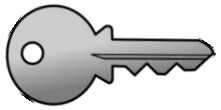
5 x 3	1 x 3	5 x 3	4 x 3	6 x 3	3 x 4	2 x 3	8 x 3	3 x 9
15	3	15	12	18	12	6	24	27

3 x 4	11 x 3	3 x 10	8 x 3	5 x 3	3 x 7	9 x 3	6 x 3	11 x 3
12	33	30	24	15	21	27	18	33

3 x 9	3 x 3	2 x 3	4 x 3	11 x 3	7 x 3	3 x 5	3 x 4	3 x 4
27	9	6	12	33	21	15	12	12

3 x 10	12 x 3	3 x 5	3 x 8	8 x 3	3 x 4	3 x 2	7 x 3	3 x 4
30	36	15	24	24	12	6	21	12

2 x 3	7 x 3	3 x 6	3 x 4	5 x 3	3 x 8	7 x 3	3 x 6	3 x 3
6	21	18	12	15	24	21	18	9



Put It All Together 3s version 3

name_____

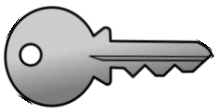
4 x 6	5 x 4	4 x 9	4 x 6	4 x 2	2 x 4	3 x 4	8 x 4	4 x 7
24	20	36	24	8	8	12	32	28

4 x 5	10 x 4	4 x 7	3 x 4	5 x 4	4 x 2	1 x 4	6 x 4	4 x 6
20	40	28	12	20	8	4	24	24

3 x 4	4 x 7	4 x 4	2 x 4	7 x 4	4 x 9	1 x 4	4 x 4	4 x 9
12	28	16	8	28	36	4	16	36

4 x 11	10 x 4	4 x 7	4 x 6	5 x 4	2 x 4	1 x 4	6 x 4	4 x 5
44	40	28	24	20	8	4	24	20

3 x 4	3 x 4	1 x 4	4 x 8	5 x 4	9 x 4	12 x 4	4 x 10	3 x 4
12	12	4	32	20	36	48	40	12



Put It All Together 4s version 1

name_____

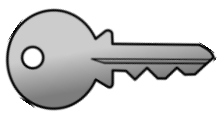
2 x 4	6 x 4	11 x 4	4 x 6	4 x 2	4 x 7	2 x 4	8 x 4	4 x 10
8	24	44	24	8	28	8	32	40

4 x 2	11 x 4	4 x 12	7 x 4	9 x 4	4 x 1	9 x 4	7 x 4	12 x 4
4	44	48	28	36	4	36	28	48

4 x 9	3 x 4	4 x 6	5 x 4	11 x 4	4 x 11	4 x 4	3 x 4	4 x 8
36	12	24	20	44	44	16	12	32

4 x 6	12 x 4	4 x 8	3 x 4	4 x 3	4 x 8	7 x 4	6 x 4	4 x 6
24	48	32	12	12	32	28	24	24

2 x 4	1 x 4	4 x 10	4 x 8	5 x 4	4 x 6	4 x 9	4 x 11	4 x 9
8	4	40	32	~~20~~	24	36	44	36



Put It All Together 4s version 2

name_____

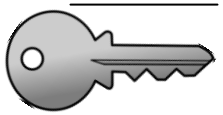
5 x 4	1 x 4	4 x 5	3 x 4	6 x 4	3 x 4	1 x 4	8 x 4	4 x 7
20	4	20	12	24	12	4	32	28

3 x 4	11 x 4	4 x 10	4 x 6	5 x 4	4 x 7	9 x 4	6 x 4	4 x 8
12	44	40	24	20	28	36	24	32

4 x 9	3 x 4	2 x 4	3 x 4	11 x 4	4 x 6	4 x 4	3 x 4	4 x 4
36	12	8	12	44	24	16	12	16

4 x 8	12 x 4	4 x 5	4 x 7	8 x 4	3 x 4	4 x 2	6 x 4	4 x 4
32	48	20	28	32	12	8	24	16

2 x 4	4 x 7	4 x 8	3 x 4	5 x 4	4 x 6	4 x 7	4 x 5	3 x 4
8	28	32	12	20	24	28	20	12



Put It All Together 4s version 3

name_____

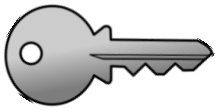
5 x 6	5 x 4	5 x 9	5 x 5	5 x 2	2 x 5	3 x 5	8 x 5	5 x 7
30	20	45	25	10	10	15	40	35

4 x 5	10 x 5	5 x 7	4 x 5	5 x 4	5 x 2	1 x 5	6 x 5	8 x 5
20	50	35	20	20	10	5	30	40

3 x 5	5 x 7	4 x 5	2 x 5	7 x 5	5 x 7	8 x 5	4 x 5	5 x 9
15	35	20	10	35	35	40	20	45

5 x 11	10 x 5	5 x 7	5 x 6	5 x 4	2 x 5	1 x 5	6 x 5	4 x 5
55	50	35	30	20	10	5	30	20

3 x 5	4 x 5	1 x 5	5 x 8	5 x 5	5 x 9	5 x 12	5 x 10	3 x 5
15	20	5	40	25	45	60	50	15



Put It All Together 5s version 1

name_____

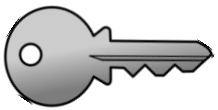
5 x 4	6 x 5	5 x 11	5 x 6	5 x 2	5 x 7	5 x 2	8 x 5	8 x 5
20	30	55	30	10	35	10	40	40

5 x 1	11 x 5	5 x 12	5 x 7	9 x 5	5 x 1	9 x 5	7 x 5	6 x 10
5	55	60	35	45	5	45	35	60

5 x 9	5 x 7	9 x 5	5 x 4	11 x 5	5 x 12	4 x 5	3 x 5	5 x 8
45	35	45	20	55	60	20	15	40

5 x 7	12 x 5	5 x 8	3 x 5	5 x 3	5 x 8	7 x 5	6 x 5	5 x 6
35	60	40	15	15	40	35	30	30

2 x 5	1 x 5	5 x 8	5 x 8	5 x 4	6 x 5	9 x 5	5 x 11	5 x 9
10	5	40	40	20	30	45	55	45



Put It All Together 5s version 2

name_____

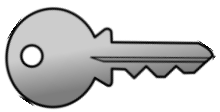
5 x 4	1 x 5	4 x 5	3 x 5	6 x 5	3 x 5	1 x 5	8 x 5	5 x 7
20	5	20	15	30	15	5	40	35

3 x 5	11 x 5	5 x 10	7 x 5	5 x 4	5 x 7	5 x 9	6 x 5	8 x 5
15	55	50	35	20	35	45	30	40

5 x 9	3 x 5	2 x 5	12 x 5	11 x 5	5 x 5	5 x 4	5 x 10	4 x 5
45	15	10	60	55	25	20	50	20

5 x 8	12 x 5	4 x 5	5 x 5	8 x 5	3 x 5	5 x 2	5 x 12	5 x 11
40	60	20	25	40	15	10	60	55

2 x 5	5 x 7	8 x 5	3 x 5	5 x 4	9 x 5	5 x 7	4 x 5	3 x 5
10	35	40	15	20	45	35	20	15



Put It All Together 5s version 3

name_____

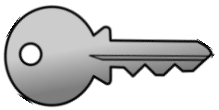
5 x 6	6 x 4	6 x 9	6 x 6	6 x 2	2 x 6	3 x 6	8 x 6	6 x 9
30	24	54	36	12	12	18	48	54

6 x 4	10 x 6	6 x 7	5 x 6	6 x 4	6 x 2	1 x 6	6 x 6	6 x 7
24	60	42	30	24	12	6	36	42

6 x 5	6 x 7	4 x 6	2 x 6	7 x 6	1 x 6	6 x 8	6 x 11	6 x 9
30	42	24	12	42	6	48	66	54

6 x 10	10 x 6	6 x 7	6 x 6	6 x 4	2 x 6	1 x 6	6 x 5	3 x 6
60	60	42	36	24	12	6	30	18

3 x 6	4 x 6	1 x 6	6 x 8	6 x 5	12 x 6	10 x 6	12 x 6	3 x 6
18	24	6	48	30	72	60	72	18



Put It All Together 6s version 1

name_____

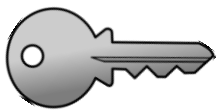
6 x 4	6 x 6	6 x 11	6 x 6	6 x 2	6 x 7	2 x 6	8 x 6	7 x 6
24	36	66	36	12	42	12	48	42

1 x 6	11 x 6	6 x 12	6 x 5	9 x 6	6 x 1	9 x 2	7 x 6	6 x 10
6	66	72	30	54	6	18	42	60

6 x 9	6 x 12	6 x 9	4 x 6	11 x 6	6 x 10	4 x 6	6 x 11	6 x 8
54	72	54	24	66	60	24	66	48

6 x 7	12 x 6	6 x 8	3 x 6	6 x 3	6 x 8	7 x 6	6 x 6	6 x 6
42	72	48	18	18	48	42	36	36

2 x 6	1 x 6	6 x 8	6 x 8	6 x 4	6 x 6	9 x 6	12 x 6	6 x 9
12	6	48	48	24	36	54	72	54



Put It All Together 6s version 2

name_____

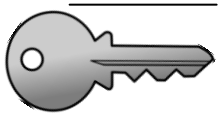
6 x 4	1 x 6	6 x 5	3 x 6	6 x 5	3 x 6	1 x 6	8 x 6	6 x 6
24	6	30	18	30	18	6	48	36

6 x 2	11 x 6	6 x 10	6 x 6	6 x 4	6 x 7	6 x 9	6 x 6	7 x 6
12	66	60	36	24	42	54	36	42

6 x 9	3 x 6	2 x 6	6 x 10	11 x 6	6 x 6	4 x 6	12 x 6	4 x 6
54	18	12	60	66	36	24	72	24

6 x 4	12 x 6	4 x 6	4 x 6	8 x 6	3 x 6	6 x 2	10 x 6	11 x 6
48	72	24	24	48	18	12	60	66

2 x 6	6 x 7	6 x 8	3 x 6	6 x 4	6 x 9	9 x 6	3 x 6	3 x 6
12	42	48	18	24	54	54	18	18



Put It All Together 6s version 3

name_____

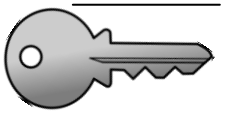
5 x 7	7 x 4	9 x 7	6 x 7	7 x 2	7 x 6	3 x 7	8 x 7	7 x 7
35	28	63	42	14	42	21	56	49

4 x 7	10 x 7	7 x 7	5 x 7	7 x 4	7 x 2	1 x 7	6 x 7	8 x 7
28	70	49	35	28	14	7	42	56

7 x 5	7 x 6	4 x 7	1 x 7	7 x 7	11 x 7	7 x 7	12 x 7	7 x 9
35	42	28	7	24	77	49	84	63

7 x 10	12 x 7	7 x 7	6 x 7	7 x 4	2 x 7	1 x 7	7 x 5	2 x 7
70	84	49	42	28	14	7	35	14

3 x 7	7 x 7	3 x 7	7 x 8	7 x 5	11 x 7	12 x 7	5 x 7	3 x 7
21	49	21	28	35	77	84	35	21



Put It All Together 7s version 1

name_____

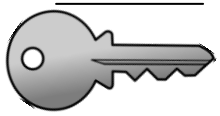
7 x 4	6 x 7	12 x 7	6 x 7	7 x 2	6 x 7	2 x 7	8 x 7	7 x 7
28	42	84	42	14	42	14	56	49

1 x 7	11 x 7	7 x 12	5 x 7	9 x 7	7 x 1	9 x 7	7 x 6	7 x 10
7	77	84	35	63	7	63	42	70

7 x 9	11 x 7	8 x 7	8 x 7	11 x 7	10 x 7	3 x 7	4 x 7	7 x 8
63	77	56	56	77	70	21	28	56

6 x 7	12 x 7	7 x 8	4 x 7	7 x 3	7 x 8	7 x 7	6 x 7	7 x 7
42	84	56	28	21	56	49	42	49

2 x 7	1 x 7	7 x 7	7 x 8	7 x 4	5 x 7	8 x 7	7 x 10	7 x 9
14	7	49	56	28	35	56	70	63



Put It All Together 7s version 2

name_____

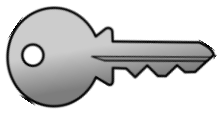
7 x 4	1 x 7	5 x 7	2 x 7	7 x 5	3 x 7	1 x 7	8 x 7	7 x 7
28	7	35	14	35	21	7	56	49

2 x 7	11 x 7	7 x 10	6 x 7	7 x 4	7 x 7	7 x 9	7 x 6	6 x 7
14	77	70	42	28	49	63	42	42

7 x 9	4 x 7	11 x 7	7 x 10	11 x 7	5 x 7	12 x 7	7 x 10	4 x 7
63	28	77	70	77	35	84	70	28

7 x 7	12 x 7	4 x 7	3 x 7	8 x 7	3 x 7	7 x 2	10 x 7	9 x 7
49	84	28	21	56	21	14	70	63

2 x 7	6 x 7	7 x 7	3 x 7	7 x 4	12 x 7	8 x 7	2 x 7	3 x 7
14	42	49	21	28	84	56	14	21



Put It All Together 7s version 3

name_____

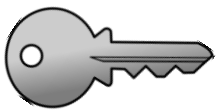
5 x 8	8 x 4	8 x 9	8 x 5	8 x 2	8 x 6	8 x 2	8 x 7	8 x 8
40	32	72	40	16	48	16	56	64

3 x 8	10 x 8	8 x 7	8 x 4	8 x 4	8 x 2	1 x 8	6 x 8	7 x 8
24	80	56	32	32	16	8	48	56

8 x 5	8 x 6	8 x 3	4 x 8	7 x 8	8 x 11	8 x 6	8 x 12	8 x 9
40	48	24	32	56	88	48	96	72

8 x 10	12 x 8	7 x 8	8 x 4	8 x 4	2 x 8	1 x 8	8 x 5	8 x 2
80	96	56	32	32	16	8	40	16

3 x 8	7 x 8	8 x 8	7 x 8	8 x 5	8 x 11	8 x 9	8 x 5	4 x 8
24	56	64	56	40	88	72	40	32



Put It All Together 8s version 1

name_____

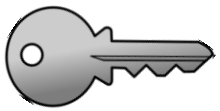
8 x 4	6 x 8	12 x 8	8 x 5	8 x 2	6 x 8	8 x 2	8 x 7	8 x 6
32	48	96	40	16	48	16	56	48

1 x 8	11 x 8	8 x 12	8 x 4	9 x 8	8 x 1	9 x 8	8 x 6	8 x 10
8	88	96	32	72	8	72	48	80

8 x 9	8 x 11	6 x 8	8 x 7	11 x 8	8 x 10	4 x 8	8 x 3	8 x 8
72	88	48	56	88	80	32	24	64

8 x 5	12 x 8	7 x 8	8 x 8	8 x 3	8 x 8	8 x 3	6 x 8	8 x 11
40	96	56	64	24	64	24	48	88

2 x 8	1 x 8	8 x 6	7 x 8	8 x 4	4 x 8	8 x 7	8 x 10	8 x 9
16	8	48	56	32	32	56	80	72



Put It All Together 8s version 2

name_____

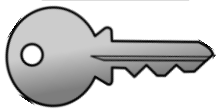
8 x 4	1 x 8	4 x 8	2 x 8	8 x 5	3 x 8	1 x 8	8 x 8	8 x 7
32	8	32	16	40	24	8	64	56

2 x 8	11 x 8	8 x 10	8 x 6	8 x 4	7 x 8	8 x 9	8 x 6	8 x 5
16	88	80	48	32	56	72	48	40

8 x 9	3 x 8	11 x 8	8 x 10	11 x 8	8 x 4	10 x 8	12 x 8	4 x 8
72	24	88	80	88	32	80	96	32

8 x 6	12 x 8	4 x 8	8 x 3	8 x 8	3 x 8	8 x 2	10 x 8	8 x 8
48	96	32	24	64	24	16	80	64

2 x 8	8 x 6	7 x 8	3 x 8	8 x 4	12 x 8	8 x 7	8 x 2	3 x 8
16	48	56	24	32	96	56	16	24



Put It All Together 8s version 3

name_____

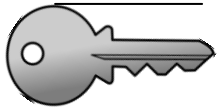
5 x 9	9 x 4	9 x 8	9 x 10	9 x 2	9 x 6	3 x 9	9 x 7	9 x 7
45	36	72	90	18	54	27	63	63

3 x 9	10 x 9	9 x 7	4 x 9	9 x 4	9 x 2	1 x 9	6 x 9	9 x 9
27	90	63	36	36	18	9	54	81

9 x 5	2 x 9	9 x 3	4 x 9	7 x 9	11 x 9	9 x 10	12 x 9	9 x 9
45	18	27	36	63	99	90	108	81

9 x 9	12 x 9	7 x 9	9 x 8	9 x 4	2 x 9	1 x 9	9 x 5	2 x 9
81	108	63	72	36	18	9	45	18

3 x 9	9 x 6	9 x 8	7 x 9	9 x 5	11 x 9	9 x 8	5 x 9	4 x 9
27	54	72	63	45	99	72	45	36



Put It All Together 9s version 1

name_____

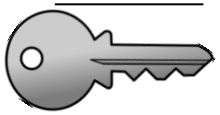
9 x 4	6 x 9	9 x 11	9 x 5	9 x 2	6 x 9	2 x 9	9 x 7	9 x 5
36	54	99	45	18	54	18	63	45

9 x 12	11 x 9	9 x 12	9 x 4	9 x 8	9 x 1	9 x 9	9 x 6	10 x 9
108	99	108	36	72	9	81	54	90

9 x 9	9 x 8	9 x 7	9 x 6	11 x 9	9 x 10	4 x 9	9 x 3	8 x 9
81	72	63	54	99	90	36	27	72

9 x 5	12 x 9	7 x 9	9 x 8	9 x 3	9 x 8	9 x 3	6 x 9	12 x 9
45	108	63	72	27	72	27	54	108

2 x 9	1 x 9	11 x 9	7 x 9	9 x 4	4 x 9	9 x 6	9 x 9	8 x 9
18	9	99	63	36	36	54	81	72



Put It All Together 9s version 2

name_____

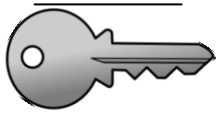
9 x 4	1 x 9	3 x 9	2 x 9	9 x 5	3 x 9	12 x 9	8 x 9	9 x 7
36	9	27	18	45	27	108	72	63

1 x 9	11 x 9	9 x 10	9 x 9	9 x 4	7 x 9	8 x 9	9 x 6	9 x 10
9	99	90	81	36	63	72	54	90

9 x 9	3 x 9	2 x 9	9 x 10	11 x 9	9 x 5	9 x 8	9 x 12	4 x 9
81	27	18	90	99	45	72	108	36

9 x 5	12 x 9	4 x 9	3 x 9	9 x 8	3 x 9	9 x 2	9 x 6	9 x 7
45	108	36	27	72	27	18	54	63

2 x 9	5 x 9	9 x 6	3 x 9	9 x 4	9 x 11	9 x 7	2 x 9	9 x 8
18	45	54	27	36	99	63	18	72



Put It All Together 9s version 3

name_____

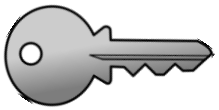
5 x 10	10 x 4	7 x 10	9 x 10	10 x 2	10 x 6	2 x 10	10 x 7	6 x 10
50	40	70	90	20	60	20	70	60

3 x 10	10 x 9	10 x 7	4 x 10	10 x 4	10 x 2	10 x 9	6 x 10	9 x 10
30	90	70	40	40	20	90	60	90

10 x 5	2 x 10	3 x 10	10 x 4	7 x 10	11 x 10	9 x 10	12 x 10	9 x 10
50	20	30	40	70	110	90	120	90

8 x 10	10 x 3	10 x 9	6 x 10	10 x 4	2 x 10	10 x 9	10 x 5	2 x 10
80	30	90	60	40	20	90	50	20

3 x 10	5 x 10	7 x 10	7 x 10	10 x 5	11 x 10	8 x 10	4 x 10	4 x 10
30	50	70	70	50	110	80	40	40



Put It All Together 10s version 1

name_____

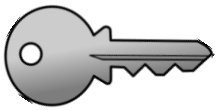
6 x 10	10 x 2	7 x 10		10 x 4	10 x 9	12 x 10	8 x 10	6 x 10
60	20	70	100	40	90	120	80	60

7 x 10	10 x 9	10 x 2	10 x 10	10 x 4	10 x 5	10 x 7	6 x 10	10 x 9
70	90	20	100	40	50	70	60	90

10 x 3	7 x 10	11 x 10	4 x 10	4 x 10	12 x 10	1 x 10	10 x 10	9 x 10
30	70	110	40	40	120	10	100	90

8 x 10	10 x 7	10 x 4	9 x 10	10 x 6	3 x 10	10 x 8	10 x 3	8 x 10
80	70	40	90	60	30	80	30	80

6 x 10	5 x 10	9 x 10	5 x 10	10 x 7	6 x 10	9 x 10	8 x 10	2 x 10
60	50	90	50	70	60	90	80	20



Put It All Together 10s version 2

name_____

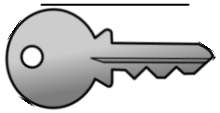
2 x 10	10 x 8	8 x 10	10 x 10	10 x 2	10 x 2	2 x 10	10 x 8	7 x 10
20	80	80	100	20	20	20	80	70

9 x 10	10 x 9	10 x 1	12 x 10	10 x 2	10 x 4	10 x 9	5 x 10	9 x 10
90	90	10	120	20	40	90	50	90

10 x 4	10 x 10	3 x 10	7 x 10	7 x 10	11 x 10	9 x 10	7 x 10	5 x 10
40	100	30	70	70	110	90	70	50

3 x 10	10 x 3	10 x 2	10 x 10	10 x 4	6 x 10	10 x 2	10 x 5	5 x 10
30	30	20	100	40	60	20	50	50

3 x 10	3 x 10	4 x 10	7 x 10	10 x 6	10 x 10	8 x 10	7 x 10	9 x 10
30	30	40	70	60	100	80	70	90



Put It All Together 10s version 3

name_____

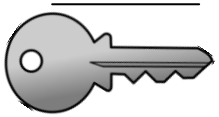
5 x 11	11 x 4	7 x 11	9 x 11	11 x 2	11 x 6	2 x 11	11 x 7	6 x 11
55	44	77	99	22	66	22	77	66

3 x 11	11 x 9	11 x 7	4 x 11	11 x 4	11 x 2	11 x 9	6 x 11	9 x 11
33	99	77	44	44	22	99	66	99

11 x 5	2 x 11	3 x 11	4 x 11	7 x 11	11 x 10	11 x 9	11 x 11	9 x 11
55	22	33	44	77	110	99	121	99

8 x 11	11 x 3	11 x 9	6 x 11	11 x 4	2 x 11	11 x 9	11 x 5	2 x 11
88	33	99	66	44	22	99	55	22

3 x 11	5 x 11	7 x 11	7 x 11	11 x 5	11 x 12	8 x 11	4 x 11	4 x 11
33	55	77	77	55	132	88	44	44



Put It All Together 11s version 1

name_____

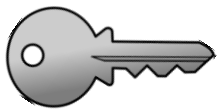
8 x 11	11 x 6	12 x 11	9 x 11	11 x 4	11 x 6	4 x 11	3 x 11	11 x 6
88	66	132	99	44	66	44	33	66

3 x 11	11 x 9	11 x 2	11 x 4	11 x 10	11 x 5	11 x 9	8 x 11	11 x 10
33	99	22	44	121	55	99	88	110

11 x 3	2 x 11	6 x 11	11 x 4	7 x 11	11 x 10	8 x 11	11 x 12	9 x 11
33	22	66	44	77	110	88	121	99

7 x 11	11 x 11	11 x 9	12 x 11	11 x 4	2 x 11	11 x 8	11 x 5	11 x 12
77	121	99	132	44	22	88	55	132

6 x 11	4 x 11	7 x 11	7 x 11	11 x 9	11 x 12	2 x 11	11 x 4	4 x 11
66	44	77	77	99	132	22	44	44



Put It All Together 11s version 2

name_____

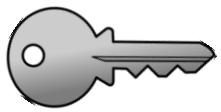
4 x 11	11 x 3	11 x 10	9 x 11	11 x 3	11 x 6	4 x 11	8 x 11	6 x 11
44	33	110	99	33	66	44	88	66

9 x 11	11 x 9	11 x 2	6 x 11	11 x 12	11 x 3	11 x 9	4 x 11	11 x 10
99	99	22	66	121	33	99	44	110

11 x 9	2 x 11	4 x 11	4 x 11	7 x 11	11 x 5	8 x 11	11 x 11	6 x 11
99	22	44	44	77	55	88	121	66

11 x 8	11 x 11	4 x 11	11 x 12	11 x 4	9 x 11	11 x 2	11 x 7	11 x 12
88	121	44	132	44	99	22	77	132

6 x 11	4 x 11	11 x 10	7 x 11	11 x 9	11 x 12	2 x 11	9 x 11	8 x 11
66	44	110	77	99	132	22	99	88



Put It All Together 11s version 3

name_____

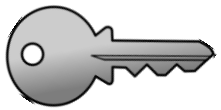
8 x 12	12 x 6	11 x 12	9 x 12	12 x 4	12 x 6	4 x 12	3 x 12	6 x 12
96	72	132	108	48	72	48	36	72

12 x 5	12 x 9	12 x 2	1 x 12	11 x 12	12 x 5	12 x 9	8 x 12	12 x 12
60	108	24	12	121	60	108	96	144

12 x 3	12 x 2	5 x 12	6 x 12	7 x 12	12 x 10	8 x 12	11 x 12	9 x 12
36	24	60	72	84	120	96	132	108

6 x 12	12 x 12	12 x 9	11 x 12	12 x 4	2 x 12	12 x 8	12 x 5	12 x 10
72	24	108	132	48	24	96	60	120

6 x 12	4 x 12	7 x 12	7 x 12	12 x 9	12 x 11	3 x 12	4 x 12	4 x 12
72	48	84	84	108	132	36	48	48



Put It All Together 12s version 1

name_____

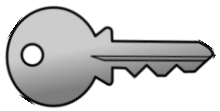
3 x 12	12 x 4	12 x 12	1 x 12	12 x 4	12 x 3	4 x 12	3 x 12	8 x 12
36	48	144	12	48	36	48	36	96

6 x 12	12 x 9	12 x 5	1 x 12	11 x 12	12 x 2	12 x 9	4 x 12	12 x 10
72	108	60	12	121	24	108	48	120

12 x 6	2 x 12	5 x 12	6 x 12	7 x 12	12 x 11	8 x 12	12 x 9	9 x 12
72	24	60	72	84	132	96	108	108

5 x 12	12 x 12	12 x 9	11 x 12	12 x 3	2 x 12	12 x 6	12 x 5	8 x 12
60	24	108	132	36	24	72	60	96

1 x 12	4 x 12	8 x 12	7 x 12	12 x 9	11 x 12	3 x 12	4 x 12	2 x 12
12	48	96	84	108	132	36	48	24



Put It All Together 12s version 2

name_____

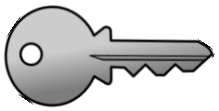
12 x 2	12 x 6	12 x 11	12 x 9	12 x 4	12 x 6	12 x 4	7 x 12	12 x 6
24	72	132	108	48	72	48	84	72

12 x 3	12 x 9	12 x 3	2 x 6	11 x 12	12 x 3	12 x 9	5 x 12	12 x 10
36	108	36	12	121	36	108	60	120

12 x 3	12 x 2	12 x 5	12 x 6	7 x 12	12 x 10	12 x 8	12 x 11	9 x 12
36	24	60	72	84	120	96	132	108

12 x 6	12 x 12	12 x 7	11 x 12	12 x 6	2 x 12	12 x 8	12 x 5	12 x 10
72	144	84	132	72	24	96	60	120

5 x 12	4 x 12	12 x 7	2 x 12	12 x 4	12 x 9	12 x 3	5 x 12	12 x 2
60	48	84	24	48	108	36	60	24



Put It All Together 12s version 3