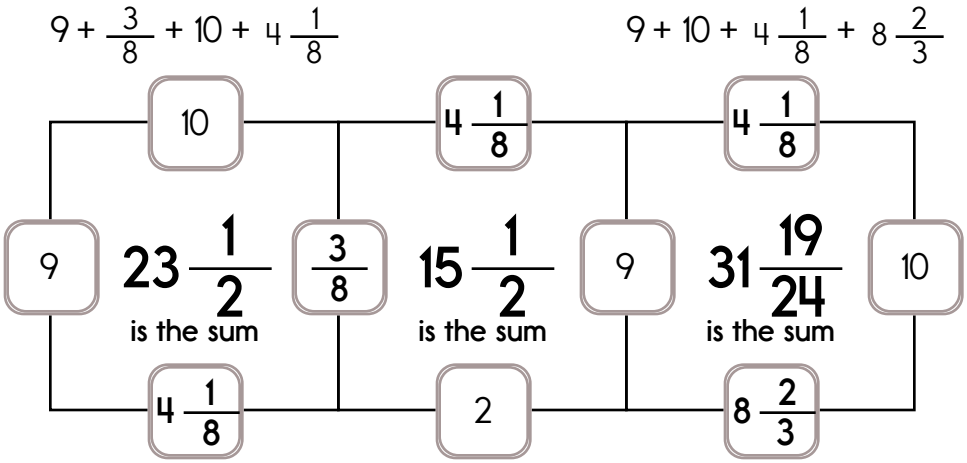
Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

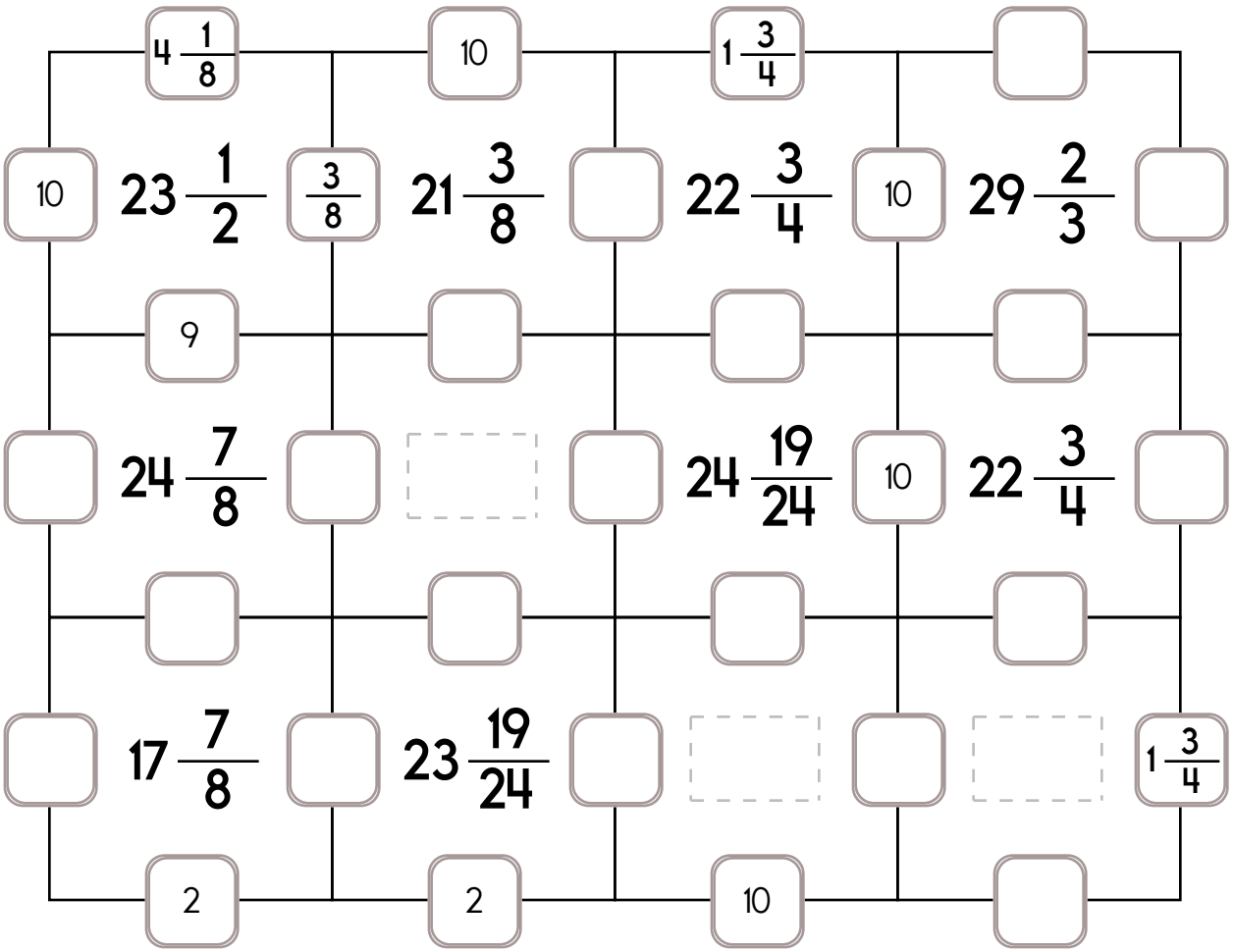
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $\frac{3}{8}$, $8\frac{2}{3}$, or $1\frac{3}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: 2, 10, $4\frac{1}{8}$, or 9.

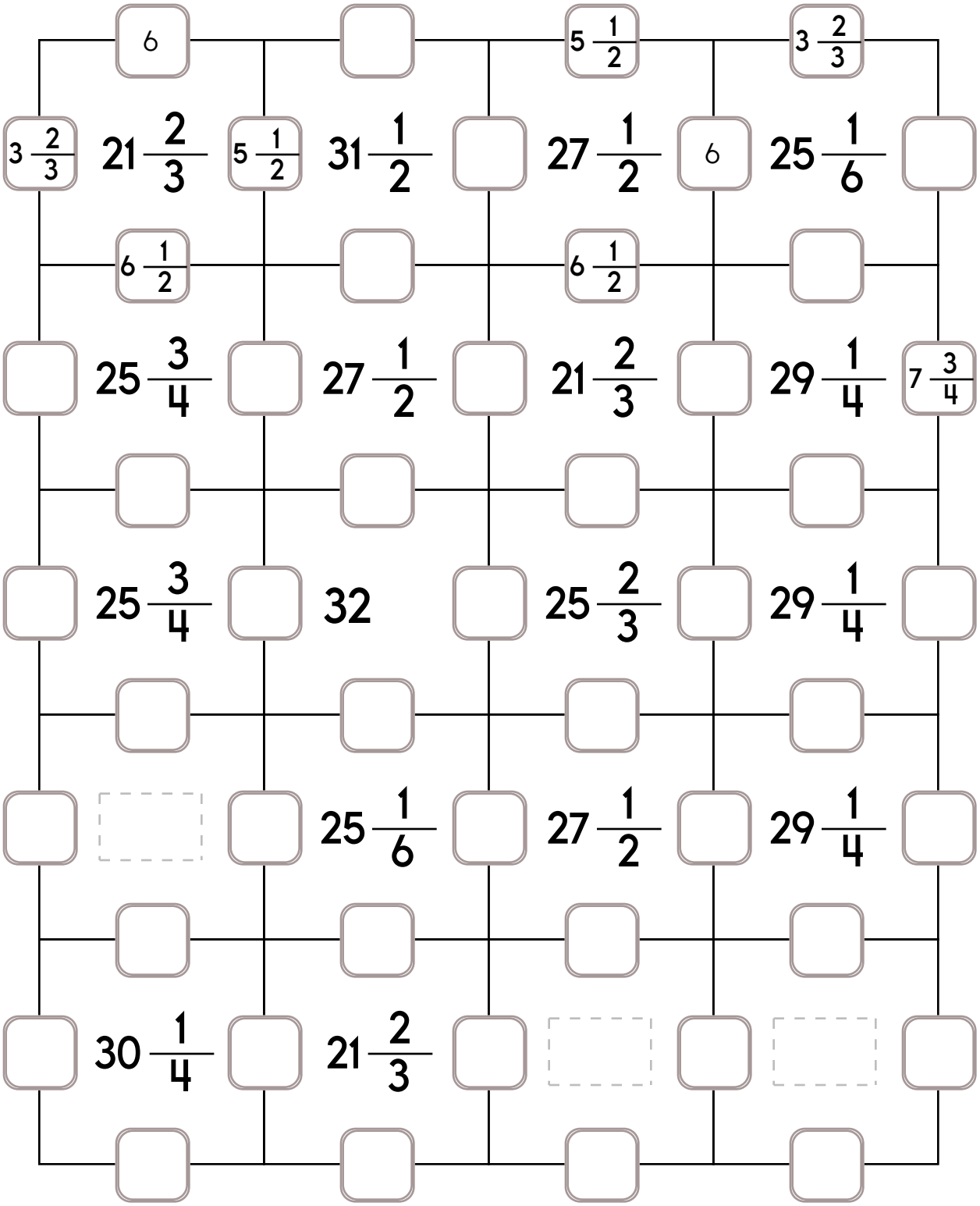


Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $9\frac{1}{2}$, $3\frac{2}{3}$, or $7\frac{3}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: 6, 10, $6\frac{1}{2}$, or $5\frac{1}{2}$.



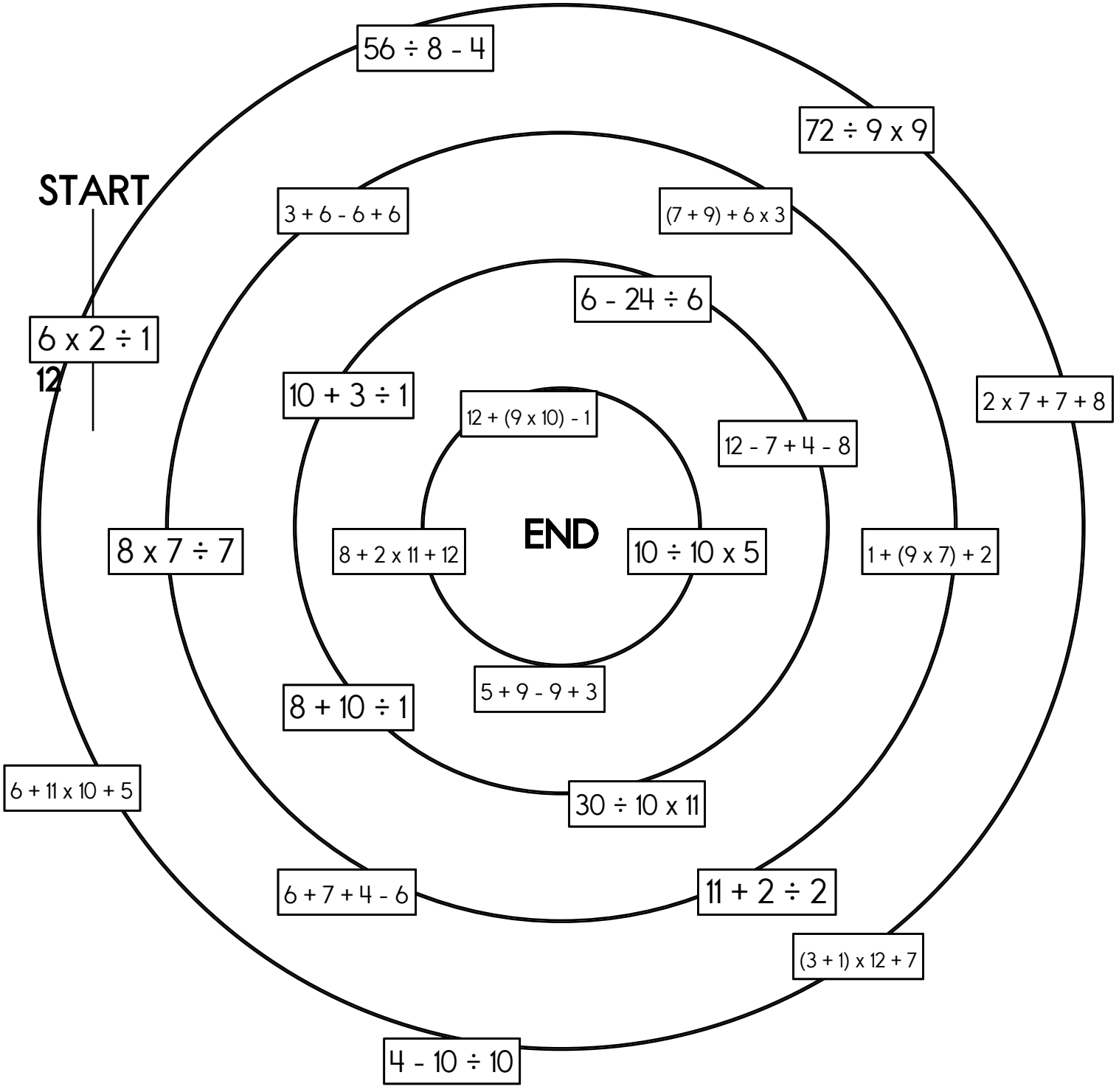
Name: _____

Draw a line from START to END.

5 13 11

~~12~~

Cross out the number you use above and then write it below.



Name: _____

Complete each pattern. Write what the rule is.

80	96	112
128	144	
176		208
224		256

Complete each pattern. Write what the rule is for each pattern.

(2,306,601,562,500) , (153,773,437,500) , (10,251,562,500) ,

(683,437,500) , (45,562,500) , (3,037,500) ,

(202,500) , (13,500) , _____, _____

(1,936,126,186,674) , (101,901,378,246) , (5,363,230,434) ,

(282,275,286) , (14,856,594) , (781,926) ,

(41,154) , (2,166) , _____

Name: _____

Ice cream cones cost $1.15 for one scoop and 45¢ for each additional scoop. Amanda bought a 2-scoop chocolate cone for herself and a 3-scoop vanilla cone for her little brother. How much did the two cones cost?

Gavin decided to write a letter to his favorite uncle on Blah Buster Day. He wrote the letter on his computer and printed it on bright blue paper. It took him 33 minutes to write the letter. If he started writing it at 12:44 p.m., what time did he finish the letter?

Rosa went to the bakery to buy cookies for the tea party. The cookies she wanted cost $1.30 per 1/2 dozen, $2.50 per dozen, or $0.25 each. She wants to buy 10 cookies. How much less would it cost to buy 1/2 dozen plus 4 cookies than it would to buy one dozen cookies?

Two-sixths of the children in William's class want to go outside. If William agrees with the majority, will the class stay inside or go outside?

3 x 12 = _____

$$\begin{array}{r} 341 \\ -\ 189 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ -\ 25 \\ \hline \end{array}$$

Sarah rolls a die. What is the chance of her rolling a 2?

_____

What number is halfway between 14 and 24?

35 ÷ 7 = _____

Write an equation to represent this:

The difference between twelve and six is six.

_____

How many grams are in 4 kilograms?

_____ grams

word root **tion** can mean **act or state** **creation, invention**

Name: _____

Sudoku Sums of 9

Each row, column, and box must have the numbers 1 through 6.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 9.

Here is an example of a sudoku sum of 9:

5	4

				1	
	2				5
		1		2	
5	3				
		4	1		
				6	

120 ÷ 12 = _____

80 ÷ 10 =

What number is halfway between 24 and 29?

6 x 7 = _____

$$\begin{array}{r} 49 \\ +\ 32 \\ \hline \end{array}$$

10 lb = _____ oz

$$\begin{array}{r} 358 \\ +\ 433 \\ \hline \end{array}$$

11 x 7 = _____

Name: _____

1 km = 1,000 m

9 km = _____ m

April took three numbers greater than 1 and multiplied them. One number was three and the other number was seventeen. Of course, she forgot the last number, but she remembered the product was 357. Is this possible?

Write 19,605 in words.

_____

Circle the greatest number:

3,842

695,471,380

2,310,496

10,975

3,122 + 9,132 = _____

7 x 8 = _____

Maria makes a basket for every two attempts that she makes. Emily needs five attempts to make a basket. Each basket is worth 2 points. If they each make 40 attempts, then what is the score?

You are given three cards. One card has the number 1 on it, another card has a 2, and the last card has the number 3 on it. Use two cards to make a fraction. What is the smallest fraction that you can make?

5 x 6 = _____

Circle the smallest number:

24,317,315,024 13,596

82,946,507 7,830

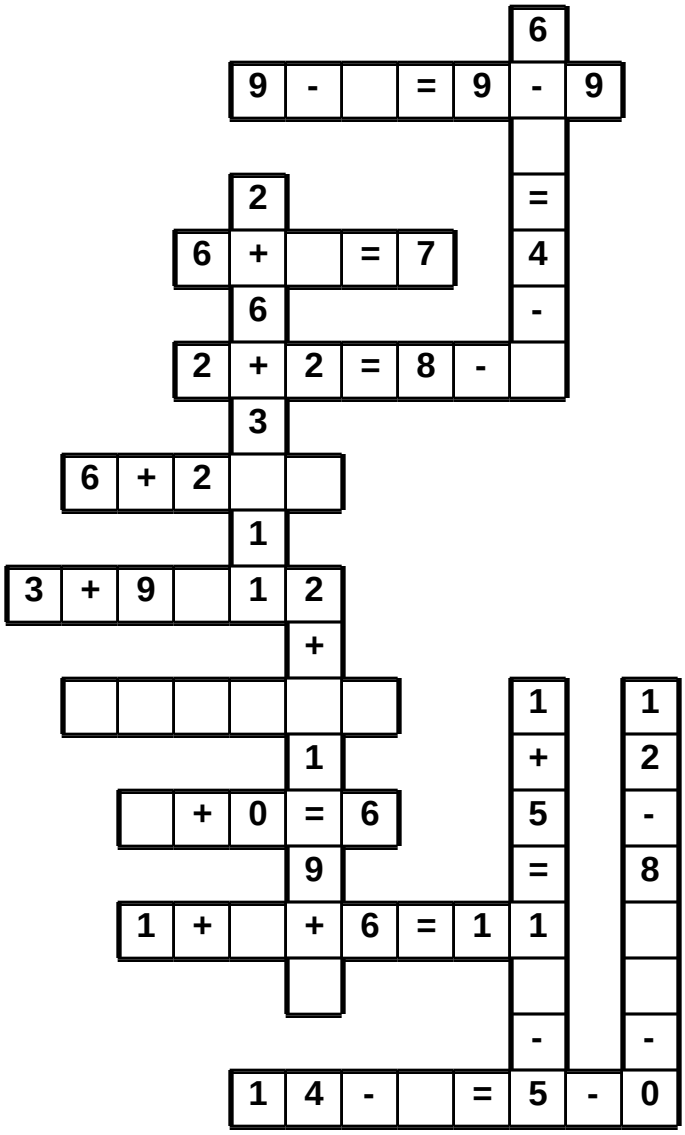
2 x 9 = _____

27 ÷ 3 = _____

Name: _____

9 • 6 • 1 • 4 • = • 8 • = • 7 • + • 5 • = • 1 • 2 • 6 • 4 • =
4 • 1 • 4 • 9

Use the pieces above to help you fill in the runaway math puzzle.



55 ÷ 5 = _____

(9 + 4) + 3 =

8 ÷ 4 = _____

72 ÷ 6 = _____

Name: _____

Anthony and his friends James, Joshua, and Zachary went to the pizza store and bought three whole pizzas. Each pie had six slices. Figure out how many slices each person ate. Five slices were not eaten. They ate 1/6 of a pie, 1/3 of a pie, 1/2 of a pie, or 1 1/6 of a pie.

1. James was the one that ate 1/2 of a pie.
2. Joshua was the one that ate 1/3 of a pie, which was one more slice than Anthony and one less slice than James.
3. James had less pizza than Zachary.

Anthony ate _____ slice(s).

Joshua ate _____ slice(s).

James ate _____ slice(s).

Zachary ate _____ slice(s).

Can 374 be evenly divided by 12? Circle:
374 is evenly divisible by 12
374 is NOT evenly divisible by 12

9 x 3 = _____

20 ÷ 4 = _____

5 x 10 = _____

827 - 571 = _____

5 x 8 = _____

7 x 5 =

Can 409 be evenly divided by 6? Circle:
409 is evenly divisible by 6
409 is NOT evenly divisible by 6

word root **anim** can mean **life or spirit** **animal, animate**

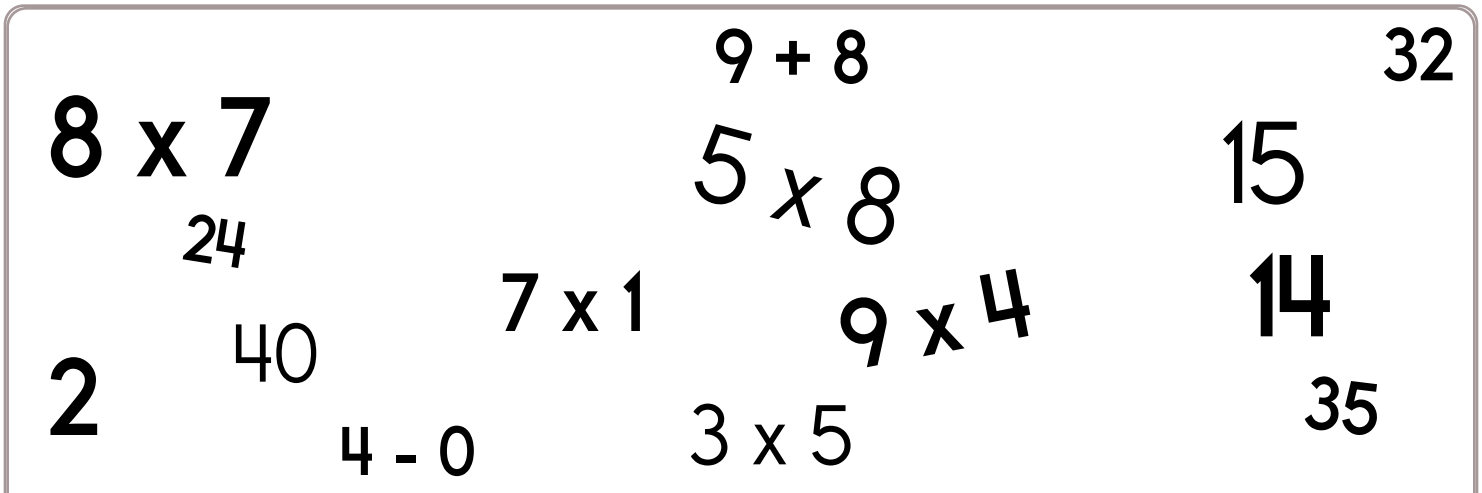
Name: _____

Add one set of parenthesis to each equation so that the equation is true.

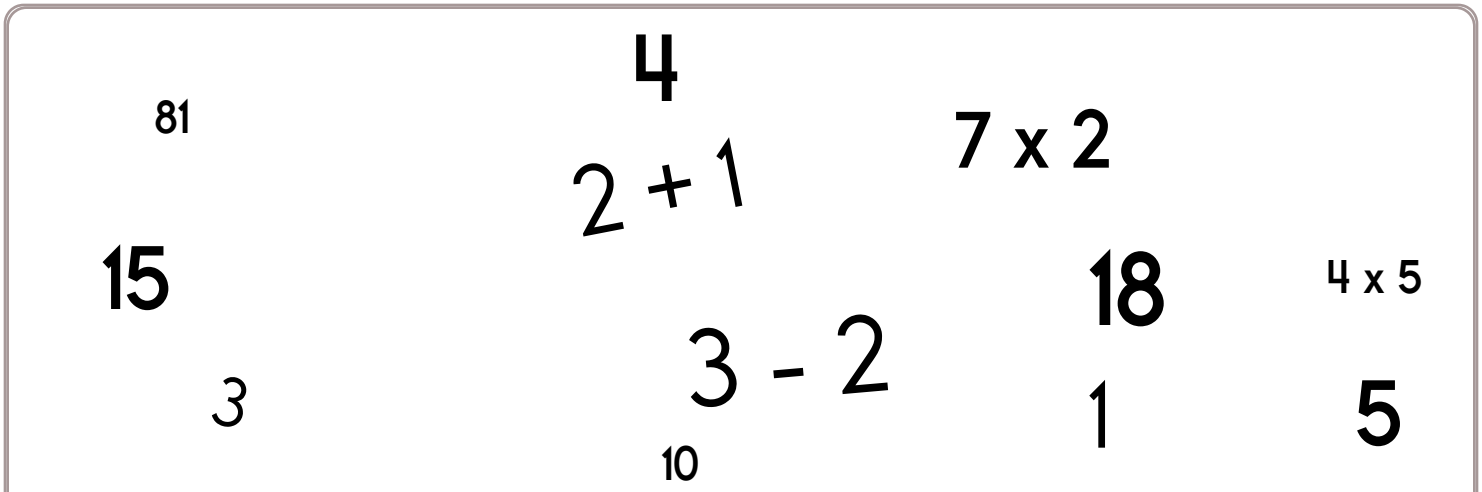
(1 x 4) + 5 = 9	11 x (7 + 6) = 143
12 ÷ 4 + 2 = 2	12 ÷ 4 + 2 = 5
1 + 12 - 3 ÷ 3 = 12	1 + 12 - 3 ÷ 3 = 4
9 + 11 x 1 + 5 = 25	9 - 6 + 12 ÷ 2 = 9
8 x 9 + 5 + 1 = 78	12 x 9 ÷ 10 + 2 = 9
4 + 4 + 7 x 12 = 92	8 + 11 + 9 - 12 = 16
1 x 11 - 3 + 4 = 4	4 + 12 + 2 ÷ 2 = 17
11 x 6 + 7 - 12 = 131	5 + 7 x 5 + 12 = 124
7 + 12 + 6 x 8 = 67	2 + 4 - 12 ÷ 6 = 4

Name: _____

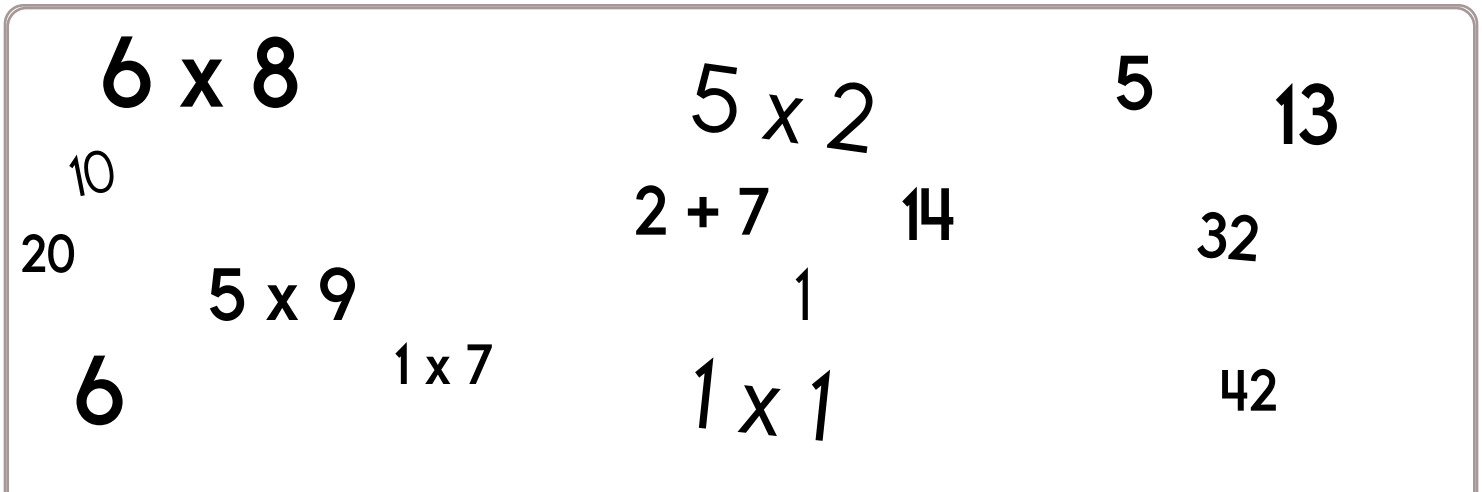
Find 2 equations hidden in each box. Good luck!



Write 2 equations: _____ _____



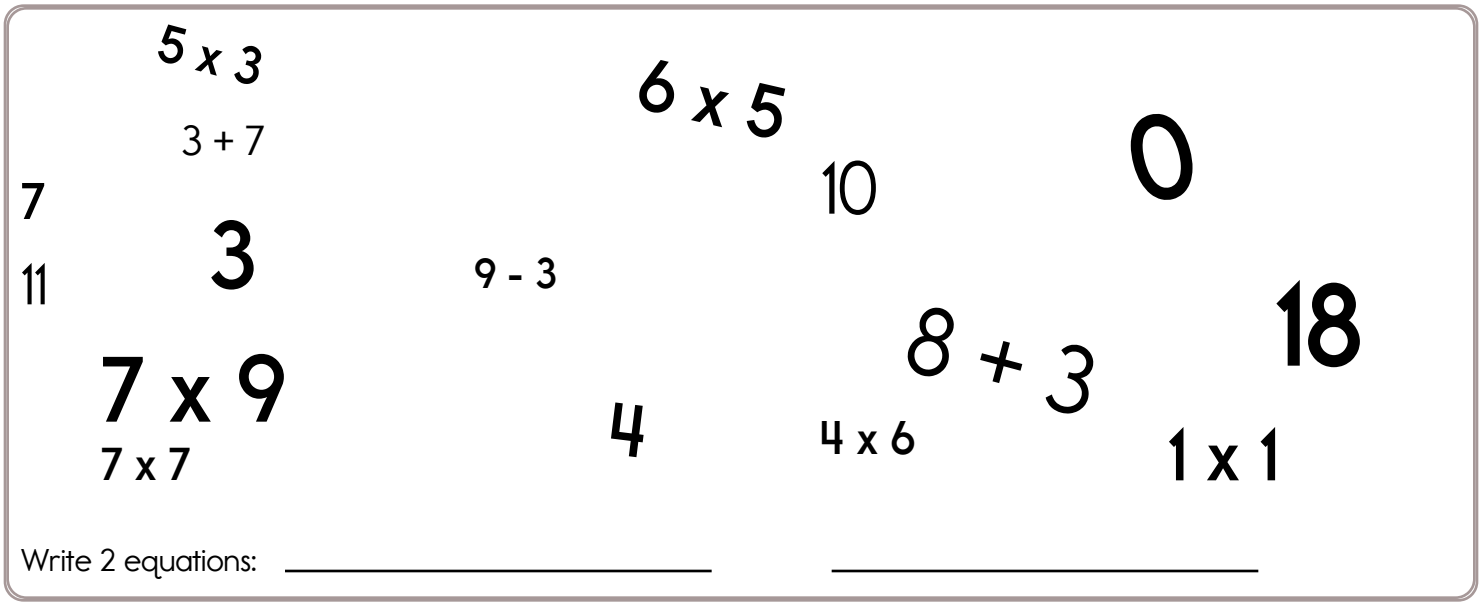
Write 2 equations: _____ _____



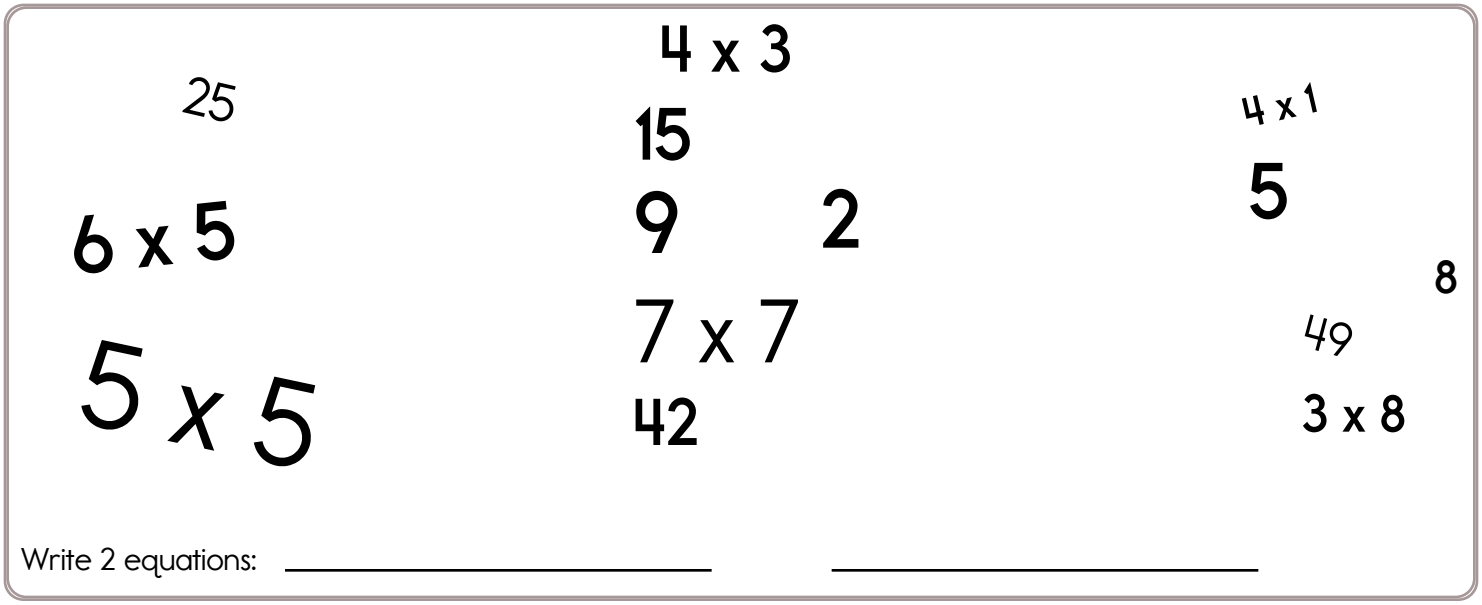
Write 2 equations: _____ _____

Name: _____

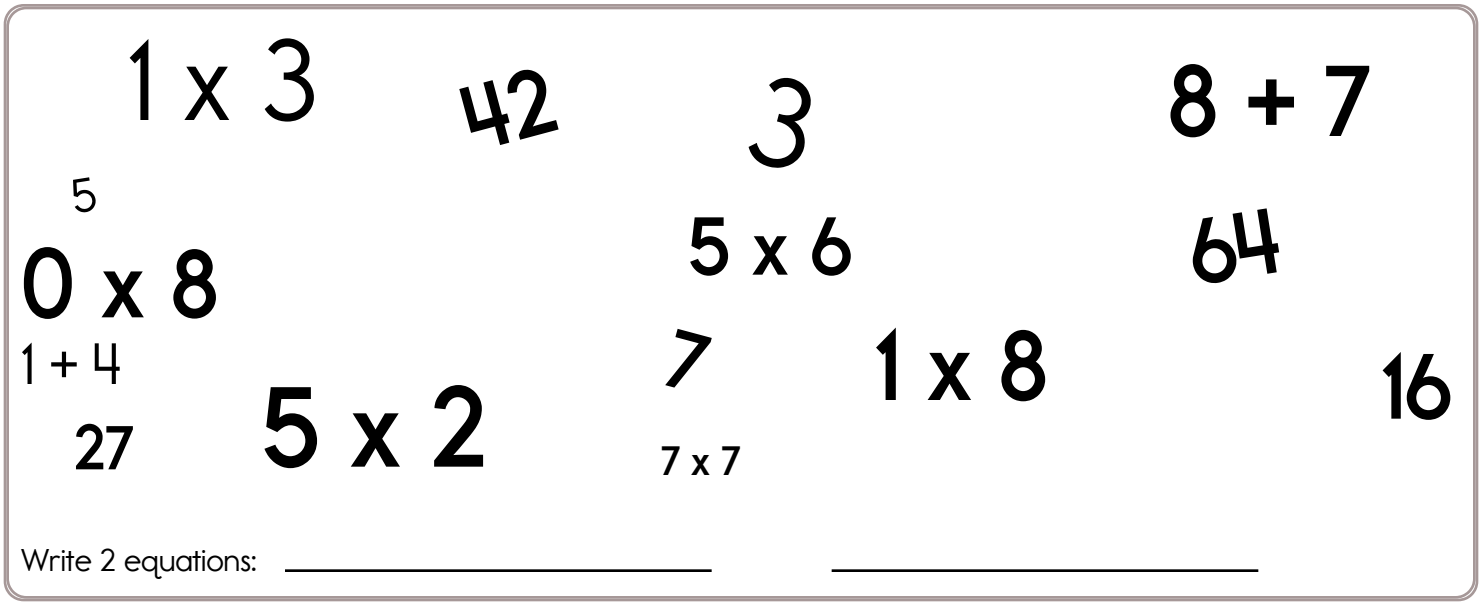
Find 2 equations hidden in each box. Good luck!



Write 2 equations: _____ _____



Write 2 equations: _____ _____



Write 2 equations: _____ _____

Name: _____

6 is what % of 12?

Change to a percent.

$\frac{654}{100}$

46 is what % of 100?

Write as a percent.

$\frac{19}{100}$

$\frac{12}{?} = \frac{2}{3}$

Change to a decimal.
29%

Change to a percent.

$\frac{1}{10}$

Change to a percent.

$\frac{20}{100}$

$\frac{36}{99} = \frac{?}{11}$

Change to a percent.
8.1

Change to a percent.

$\frac{3}{100}$

Change to a percent.
0.06

Write as a percent.

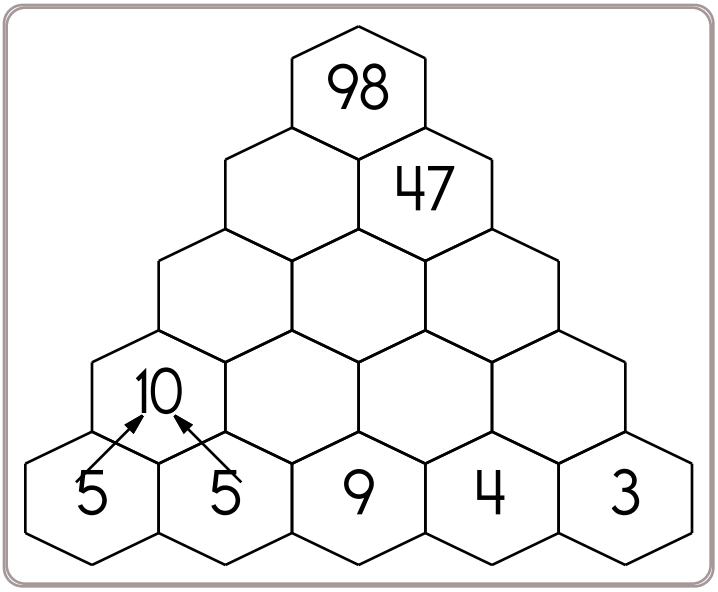
$\frac{1}{2}$

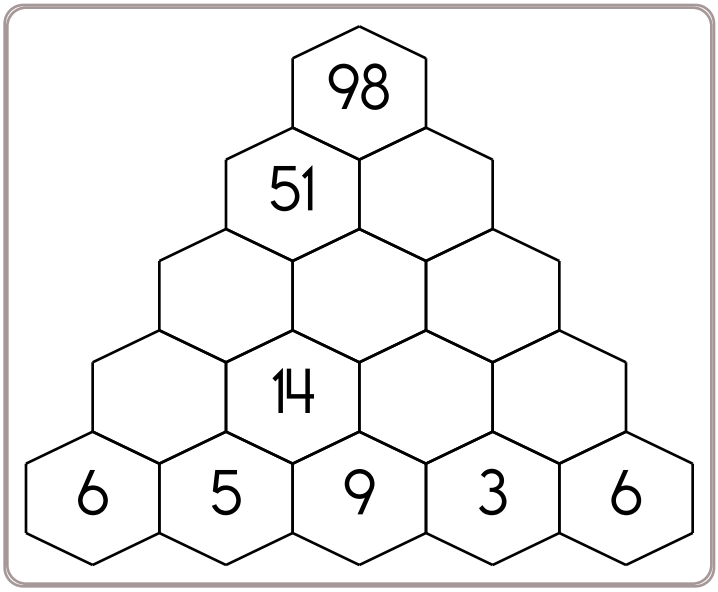
Write the ratio as a fraction in lowest terms.
9 to 4

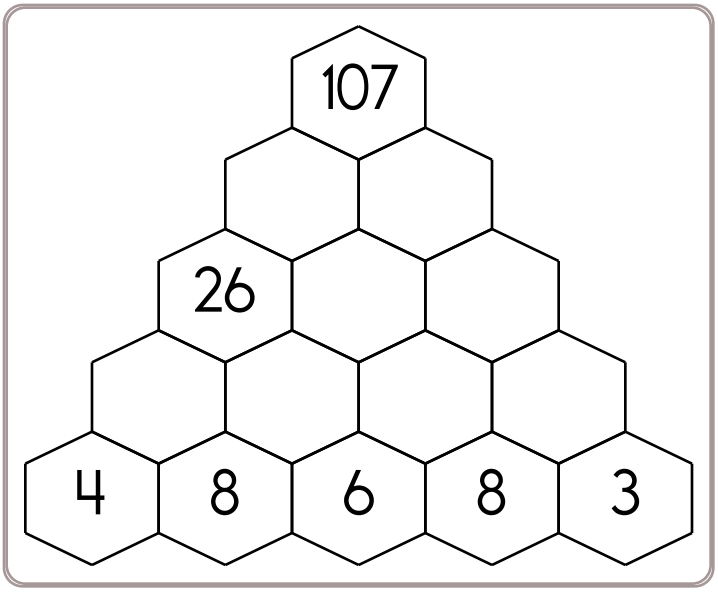
Find 88% of 36.

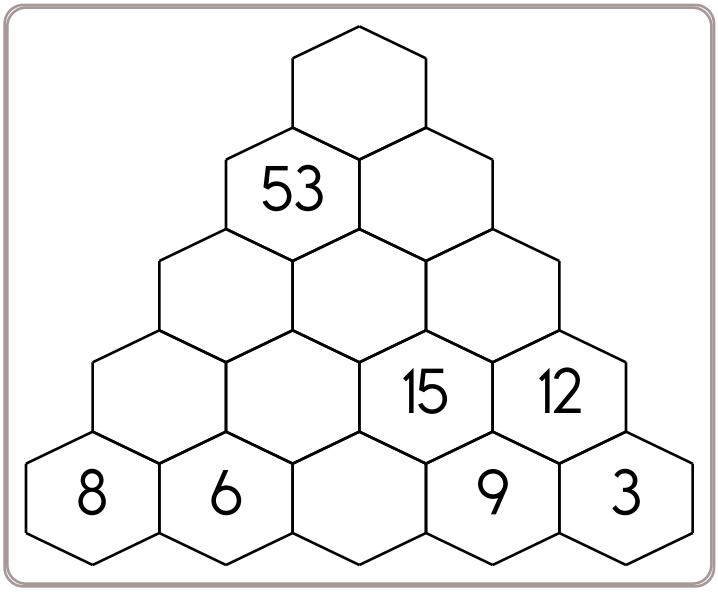
Name: _____

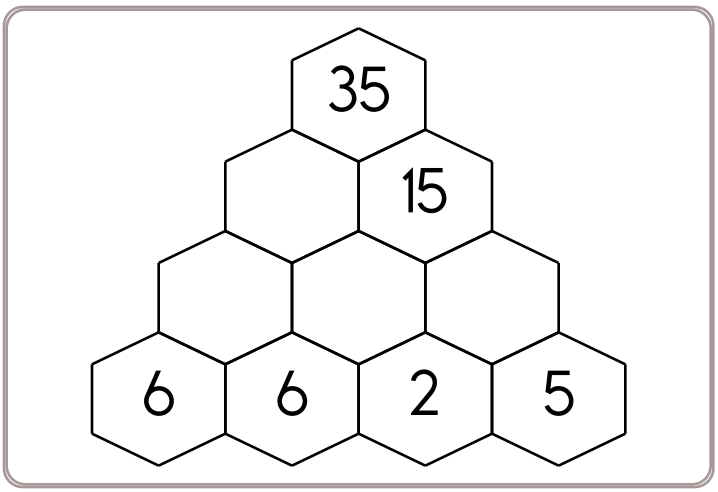
Fill in the blanks by adding the two numbers below each hexagon.

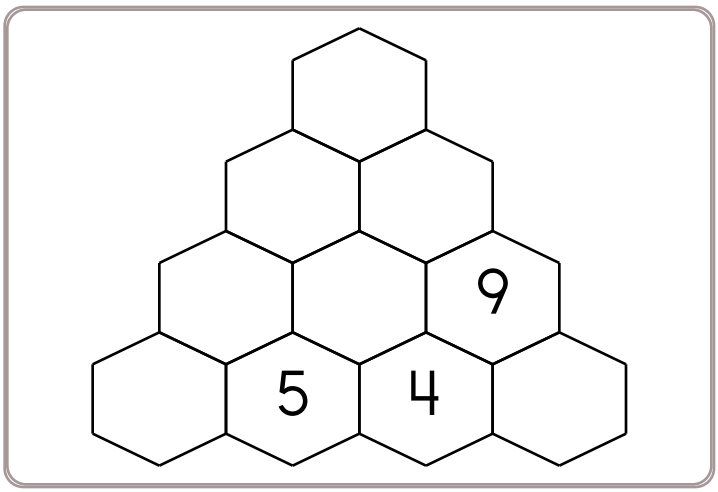






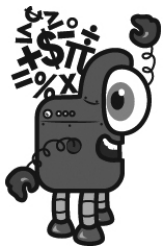






Name: _____

Mental Math — #1 —



- Start with the sum of 6 and 8. 14
- Divide that number in half. _____
  2 5 3 5 7 0 9 7 8 4 (Circle your answer to double check you are correct.)
- Increase that number by 7. _____
  5 8 3 8 1 9 1 4 6 6
- Add the number of inches in 1 foot. _____
  3 1 6 0 2 6 1 2 2 2
- Add 10. _____
  3 1 1 4 8 3 6 9 7 5
- Find the square root. _____
  5 4 6 9 4 1 6 9 9 0
- Add 28. _____
  3 4 9 5 5 3 8 7 2 3
- Multiply the tens digit by the ones digit. The product is your new number. _____
  9 2 2 1 2 1 7 3 1 7
- Multiply by 9. _____
  1 0 8 7 4 5 9 3 5 3
- Add the digits in your number. The sum of that is your new number. _____
  5 2 8 8 7 9 9 7 4 3
- Add half of 36. _____
  2 0 3 2 5 2 7 0 1 9

Name: _____

Each box needs a number from 1 to 9. You may re-use numbers.
One set of sums has been done for you.

sum of 3 →							
			sum of 6 →				
		sum of 8 →					sum of 8 ↓
sum of 9 ↓	sum of 10 →						
		sum of 8 ↓		sum of 4 ↓		sum of 9 ↓	
	sum of 9 →						
			sum of 7 →				
	sum of 8 →	2	6	sum of 8 →			

sum of 9 →							
sum of 5 →				sum of 5 ↓	sum of 7 ↓	sum of 7 ↓	
sum of 8 →			sum of 4 →		1		
			sum of 5 →		2		
	sum of 10 ↓	sum of 6 ↓	sum of 10 →		4		
sum of 5 →							
			sum of 9 →				
sum of 9 →				sum of 5 →			

Circle the digit in the hundredths place.

996.8781

4 x 4 = _____

2,954 + 3,749 = _____

10 x 5 = _____

Can 935 be evenly divided by 5? Circle:
935 is NOT evenly divisible by 5
935 is evenly divisible by 5

345 + 719 = _____

The letters H and W each have a line of symmetry. Name another letter between H and W that has a line of symmetry.

_____

word root **later** can mean **side** **bilateral, lateral, unilateral**

Name: _____

boundary • buyer • sensation • testimony • reject • coward

Each row, column, and box must have all the words from the word list. Write in the missing words.

sensation	buyer	boundary			testimony
		reject			
				sensation	
				boundary	
coward			reject		
		sensation			

Hunter took three numbers greater than 1 and multiplied them. One number was five and the other number was thirteen. Of course, he forgot the last number, but he remembered the product was 163. Is this possible?

20 ÷ 4 = _____

4 x 12 = _____

33 ÷ 3 =

Can 869 be evenly divided by 11? Circle:

869 is evenly divisible by 11

869 is NOT evenly divisible by 11

5,671 - 3,913 = _____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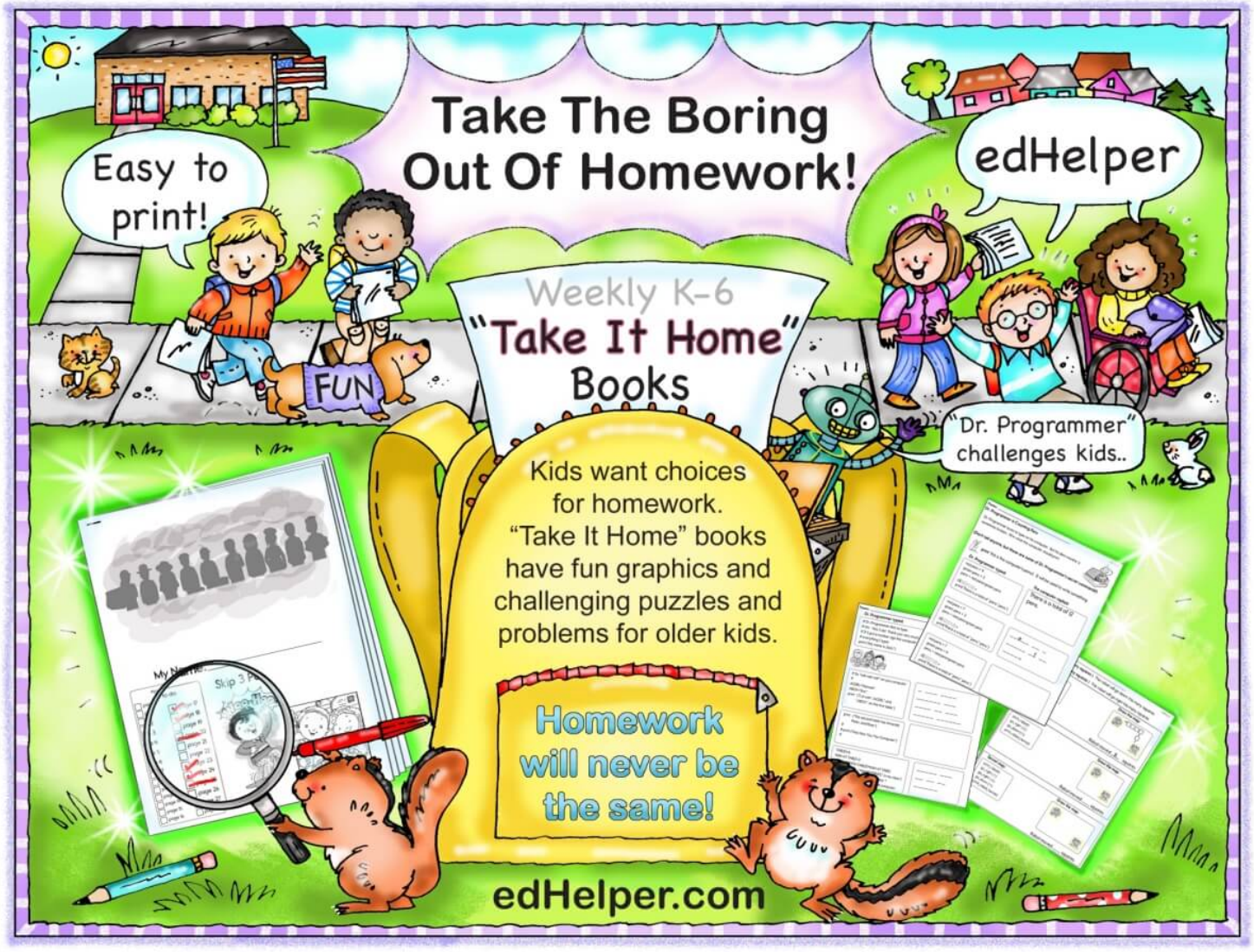
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