

Name: \_\_\_\_\_

	x	+	+	=	
+	A	A	C	A	614
+	A	C	A	C	374
=	B	B	?	C	714
	74	64	62	52	

### Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$A \times A + C + A = 614 \quad \_ + C + C = 52$$

$$\_ \times \_ + \_ + \_ = 374 \quad \_ + \_ + \_ = 64$$

$$\_ + \_ + \_ = 74$$

Additional hints:

$$B = C + 12 \quad A < 29$$

Solve:

$$? = \_$$

Name: \_\_\_\_\_

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

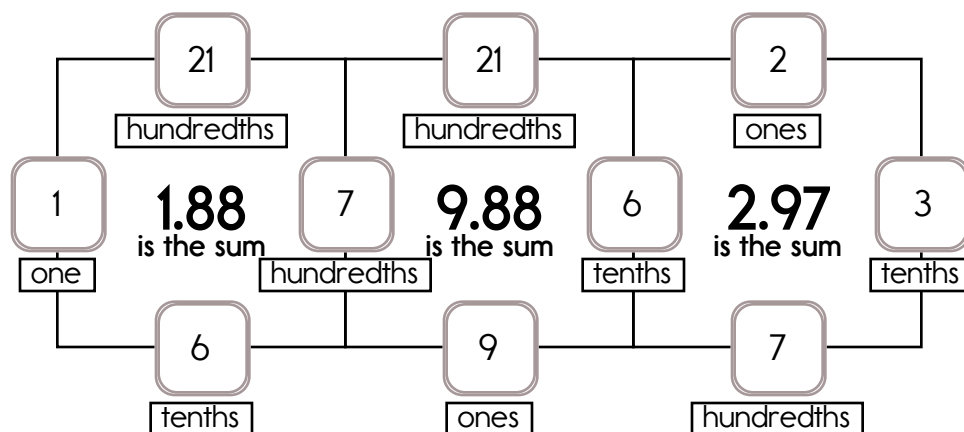
Example:

$$1 + 0.07 + 0.21 + 0.6 = 1.88$$

Example:

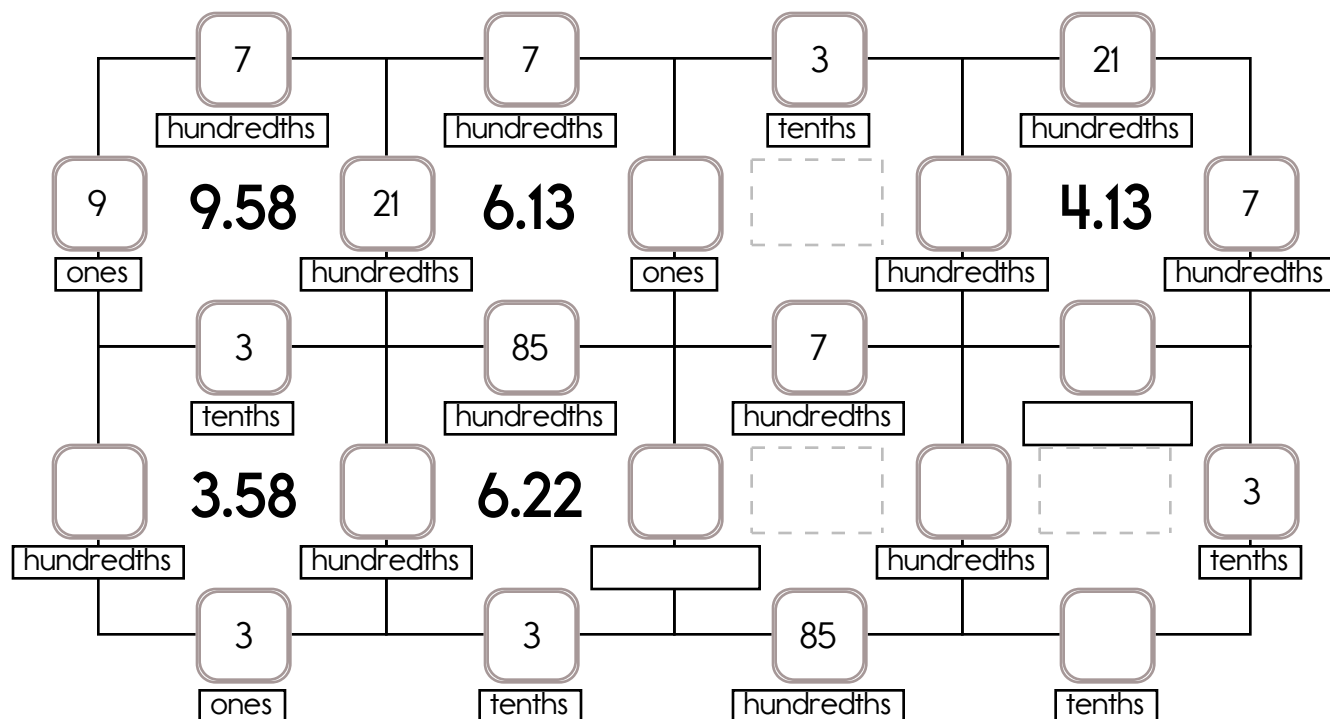
$$0.6 + 0.3 + 2 + 0.07 = 2.97$$

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: 2 ones, 3 ones, 9 ones, 1 one, or 5 ones.

The other three numbers have to all be DIFFERENT and must be from these: 3 tenths, 6 tenths, 21 hundredths, 7 hundredths, or 85 hundredths.



Name: \_\_\_\_\_

Cross off the number that does NOT belong.

$$4, 3\frac{20}{25}, 3\frac{15}{25}, 3\frac{10}{25}, 3\frac{5}{25}, 3, 2\frac{20}{25}, 2\frac{16}{25}, 2\frac{15}{25}, 2\frac{10}{25},$$
$$2\frac{5}{25}, 2, 1\frac{20}{25}, 1\frac{15}{25}, 1\frac{10}{25}, 1\frac{5}{25}, 1, \frac{20}{25}, \frac{15}{25}$$

Why does \_\_\_\_\_ not belong in the pattern?

Subtract  $\frac{1}{5}$

Cross off the number that does NOT belong.

4, 40, 48, 480, 484, 488

Why does \_\_\_\_\_ not belong in the pattern?

Name: \_\_\_\_\_

<p>Circle the greatest number:</p> <p>2,845</p> <p>263,851,079,053</p> <p>29,418,673</p> <p>1,936,074</p>	<p>1 lb = 16 oz</p> <p>10 lb = _____ oz</p>
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$\begin{array}{r} 960 \\ - 251 \\ \hline \end{array}$	<p>How far do you think it is from your desk to your teacher's desk? Write an estimate of the distance you think it could be.</p>	$\begin{array}{r} 468 \\ + 383 \\ \hline \end{array}$	<p>9 x 4 =</p>
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<p>Which has the smallest answer?</p> <p>273 x 380    285 x 380    278 x 380</p>	<p>What time is 17 hours after 5:00 p.m.?</p> <p>_____</p>
--	--

<p>How many digits are in ten times ten?</p> <p>_____</p>	$\begin{array}{r} 55 \\ - 39 \\ \hline \end{array}$	<p>12 x 6 =</p>	$\begin{array}{r} 29 \\ + 42 \\ \hline \end{array}$
---	---	-----------------	---

<p>Write the missing family fact.</p> <p>126 ÷ 14 = 9</p> <p>14 x 9 = 126</p> <p>126 ÷ 9 = 14</p> <p>_____</p>	<p>How many inches are in 7 feet?</p> <p>_____ inches</p>
--	---

Name: \_\_\_\_\_

### What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum	Make a Word	Sum
<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 6 10 14</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>A</span><span>T</span><span>T</span><span>I</span><span>T</span><span>U</span><span>D</span><span>E</span> </div>	37	<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 6 10 16 22</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span></span><span>W</span><span></span><span></span><span></span><span></span><span></span> </div>	
<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 6</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span></span><span>I</span><span></span><span></span><span></span> </div>		<div style="display: flex; justify-content: space-around; font-size: small;">1 2 6 10 16</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span></span><span>O</span><span>R</span><span></span><span></span><span></span> </div>	
<div style="display: flex; justify-content: space-around; font-size: small;">1 4</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>K</span><span>N</span><span>O</span><span></span><span></span> </div>		<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 6 10</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>F</span><span>O</span><span></span><span></span><span></span><span></span> </div>	
<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 10 16</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>F</span><span>L</span><span>O</span><span></span><span></span><span></span><span></span> </div>		<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 6 10 14</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>L</span><span>O</span><span></span><span></span><span></span><span></span><span></span> </div>	
<div style="display: flex; justify-content: space-around; font-size: small;">1 2 6</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>S</span><span>E</span><span></span><span></span><span></span> </div>		<div style="display: flex; justify-content: space-around; font-size: small;">1 2 4 8 14</div> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> <span>S</span><span>H</span><span></span><span></span><span></span><span></span> </div>	

Erin wants Maria to guess a two digit number. She tells Maria that her number has two different digits. The digits are 5 and 1. Maria thinks. She then guesses the number 15. What are the chances that Maria has guessed correctly?

25 cm = \_\_\_\_\_ mm

$36 \div 9 =$

$5 \times 12 =$

Circle the addition property for  $42 + 141 = 141 + 42$ .

associative property  
commutative property

Circle the answer that best completes the sentence.

I like (either/neither) carrots nor peas.

Name: \_\_\_\_\_

### Sudoku Sums of 11

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 11.

Here is an example of a sudoku sum of 11:

5	6
---	---

1	6		2		
			4		
4		2		1	
				3	
3		1			2

$$(8 + 3) + 2 =$$

Insert a comma in the appropriate place in this sentence.  
Swimming quickly I passed the first portion of my lifesaving test.

Which is the smallest?

$$47.3 \div 9.3 \quad 47.3 \div 9.1 \quad 47.3 \div 9.2$$

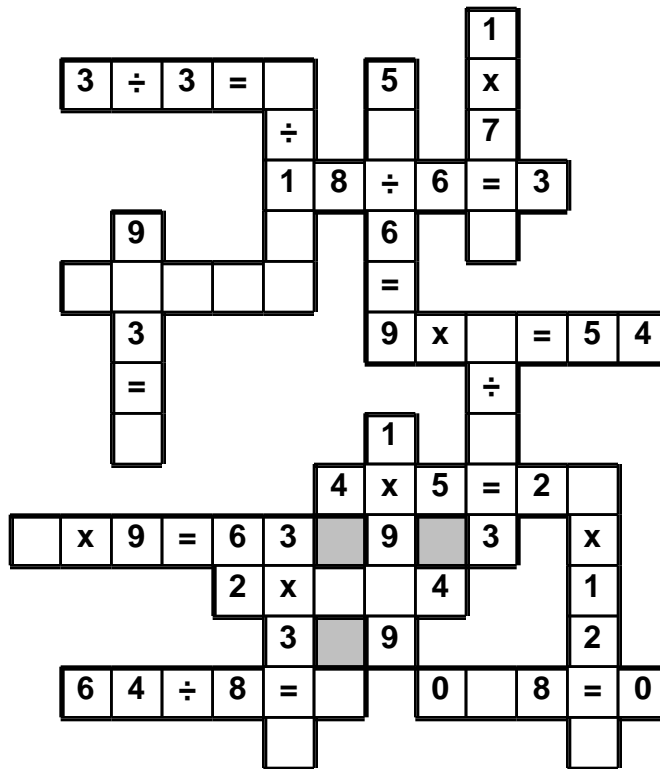
For 895,817,756,594, write the digit that is in the hundred thousands place.

\_\_\_\_\_

Circle the digit in the hundredths place.

71.5451

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



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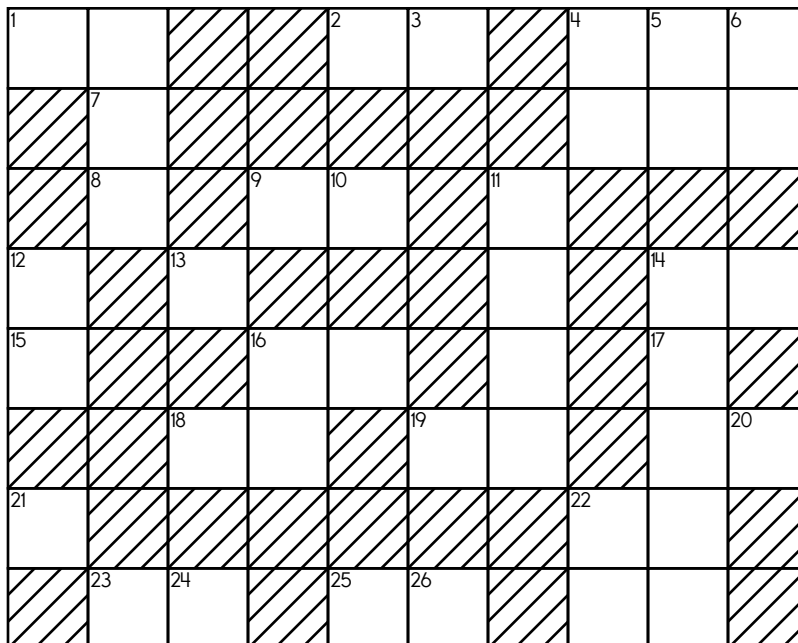
Name: \_\_\_\_\_

### ACROSS

1.  $5 + 18$
2. 12-Down plus 26-Across
7. How many factors does 25 have?
8. Sum of digits of 9-Across
9.  $4 + 12$
12. First composite number after 20-Down
13. One-sixth of 16-Across
14. One less than 4-Down
15. How many factors does 57 have?
16. Two times 10-Down
17. The thousands in 11-Down
18. Six more than 5-Down
19.  $9 + 19$
21. Sum of digits of 22-Down
23. Two less than 16-Across
26. What is the greatest common factor of 22 and 68?

### DOWN

3. How many factors does 18 have?
4. What is the greatest common factor of 15 and 60?
5. Two less than 1-Across
6. First composite number after 16-Down
10. How many factors does 45 have?
11. seven thousand, fifty-eight
12. What is the lowest common multiple of 16-Across and 22-Down?
14. Its digits total 16
16. 17
17. the ones in 10-Down + the tens in 19-Across + the thousands in 11-Down
20. 6
22. Three less than 16-Down
24. The hundreds in 11-Down
25. What is the lowest common multiple of 3-Down and 20-Down?





Name: \_\_\_\_\_

Ready to make equations? There is a missing equation in each box.  
Circle the numbers once you find it!

**A**

53	17	74
38	54	82
32	19	61
1	14	95

Find a subtraction fact.

**B**

61	20	91
33	64	88
75	26	32
67	70	49

Find a subtraction fact.

**C**

89	25	63
96	14	62
81	69	68
45	90	54

Find a subtraction fact.

Equations:

Write the equation facts you found.

A

	-		=	53
	-		=	
	-		=	

B

C

In the number 670,912,847, the digit 4 is in what place?

\_\_\_\_\_

Write this as a number in standard form.  
Use a comma in your number.

two hundred eighty-nine thousand, three hundred seventy-six

\_\_\_\_\_

$24 \div 3 =$

Circle the answer that best completes the sentence.

Today I plan to study both English (and/or) math.

Name: \_\_\_\_\_

$$\frac{7}{11} \times \frac{1}{2} =$$

$$\begin{array}{r} \frac{1}{2} \\ + \frac{4}{11} \\ \hline \end{array}$$

Reduce  $\frac{7}{28}$  to its lowest terms.

$$\begin{array}{r} \frac{5}{7} \\ - \frac{1}{7} \\ \hline \end{array}$$

$$28 - \frac{1}{2} =$$

Reduce each fraction to its lowest terms.

$$\frac{4}{8} =$$

$$\frac{16}{24} =$$

$$\frac{6}{18} =$$

$$\frac{21}{42} =$$

$$\frac{2}{4} =$$

$$\frac{56}{136} =$$

Write the reciprocal.

$$\frac{22}{9}$$

$$\begin{array}{r} 7\frac{6}{11} \\ - \frac{1}{5} \\ \hline \end{array}$$

$$\frac{5}{12} \times 8 =$$

Name: \_\_\_\_\_

Which fraction does NOT equal 0.4?

$\frac{4}{10}$	$\frac{40}{100}$
$\frac{4}{100}$	0.40

Skill: Decimals

$$\begin{array}{r} 3.62 \\ + 0.7 \\ \hline \end{array}$$

Skill: Adding Decimals

Which number completes the number pattern?

34,131 , 33,131 , 32,131 , 31,131 ,    ?

? = \_\_\_\_\_

Skill: Whole Numbers and Place Value

What is  $7 \div 2$  expressed as a mixed number?

Skill: Fractions and Mixed Numbers (addition/subtraction)

3	3	9
-		↓
	-	

Skill: Multiplying and Dividing by 1-Digit

0.31 is equal to

$$\frac{3}{10} + \frac{1}{100}$$

$$\frac{1}{10} + \frac{3}{100}$$

$$\frac{3}{100} + \frac{1}{1000}$$

$$\frac{3}{1} + \frac{1}{10}$$

Skill: Fractions and Decimals

Name: \_\_\_\_\_

Jason tried to measure his resting heart rate. His heart beat a total of 46 times in 37 seconds. Sarah measured hers. She counted a heartbeat of 96 in 120 seconds.

Well-trained athletes tend to have resting heart rates that can be as slow as 40 beats per minute. Would you guess that Jason or Sarah was a well-trained athlete?

Hannah and Emily each want to buy \$158 rugs for their rooms. Who will be able to buy it first?

Hannah has \$33 saved. She earns \$13 each week and plans to save it all for the rug.

Emily has \$32 saved. She earns \$15 each week and plans to save it all for the rug.

Erin is playing a game against Mary. They have to find blocks and bring them back to their digital house. After ten minutes of play, the one with the most blocks wins. Who is currently winning?

Mary has between 23 and 33 blocks. When she puts her blocks into piles of 7, there will be 3 blocks left over. When she puts her blocks into piles of 5, there will be 1 block left over.

Erin has between 23 and 33 blocks. When she puts her blocks into piles of 7, there will be 5 blocks left over. When she puts her blocks into piles of 5, there will be 1 block left over.

Who is the youngest?

Justin turned 12 years old in 2019.

Anna turned 10 years old in 2023.

Sara will be 28 years old in 2037.

Name: \_\_\_\_\_

What is  $\frac{3}{4}$  of 108? Show your work.

Sally bought a kit to make fidgets. The box says that you can make up to 22 fidgets, so that would be the most she could make. Sally tried to make one. It took her 31 seconds to make. How many fidgets can she make in an hour? Assume she takes a 10-second break after making each fidget.

At the science fair, Rose and Max put together their own remote control vehicles. Mrs. Hall is walking around in the back of the school to check them out.

"My model truck can go 18.1 mph, and its battery can last 32 minutes," says Rose.

"Well, my car can go 18.7 mph," interrupts Max. "And it can last 26 minutes."

Mrs. Hall decides to put them both on a track to test. She runs them both for 37 minutes without any additional charges. Which car will go farther? By how many miles?

Name: \_\_\_\_\_

Use mental math to quickly solve.

$$5.84 \times 10 = \underline{\hspace{2cm}}$$

$$0.347 \times 10 = \underline{\hspace{2cm}}$$

$$32.4 \times \underline{\hspace{2cm}} = 3,240$$

$$47.2 \times \underline{\hspace{2cm}} = 4,720$$

$$25.7 \times \underline{\hspace{2cm}} = 2,570$$

$$0.499 \times \underline{\hspace{2cm}} = 4.99$$

$$2.79 \times \underline{\hspace{2cm}} = 27.9$$

$$5.7 \times \underline{\hspace{2cm}} = 5,700$$

$$\underline{\hspace{2cm}} \times 10 = 48.9$$

$$0.68 \times \underline{\hspace{2cm}} = 6.8$$

$$839.5 \times 100 = \underline{\hspace{2cm}}$$

$$71.5 \times 100 = \underline{\hspace{2cm}}$$

$$9.9 \times \underline{\hspace{2cm}} = 9,900$$

$$\underline{\hspace{2cm}} \times 10 = 49.8$$

$$\begin{array}{r} 0.05 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 80.03 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 90.3 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7.02 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7.45 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7.54 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2.31 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9.42 \\ \times \quad 3 \\ \hline \end{array}$$

Name: \_\_\_\_\_

Draw a line from START to END.

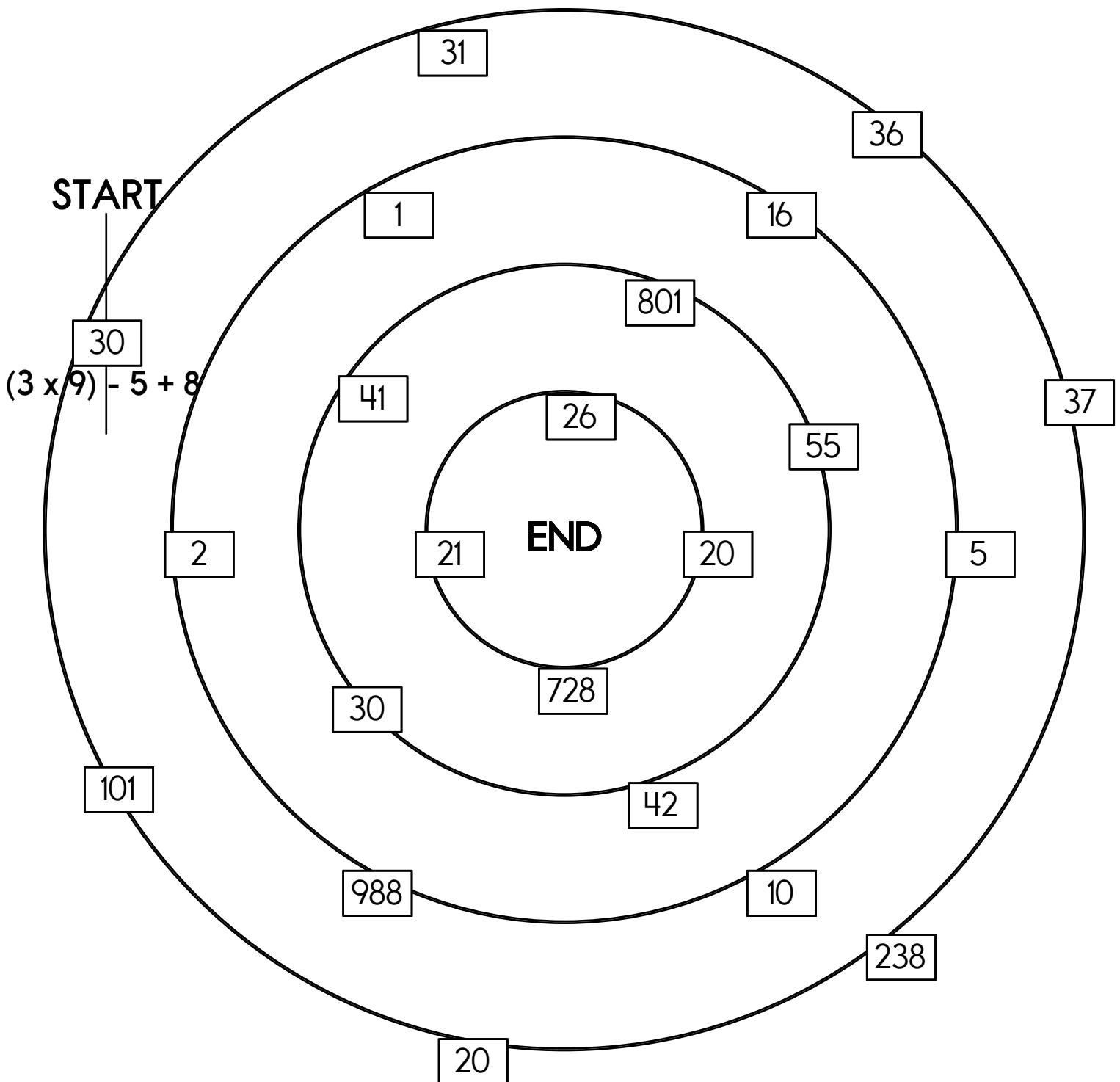
$$7 - 2 \times 3$$

$$55 \div 11 \times 4$$

~~$$(3 \times 9) - 5 + 8$$~~

$$(8 - 3) + 3 \times 12$$

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



Name: \_\_\_\_\_

Use each of the blocks to spell four different words.  
Hint: The word paint is a word in the blocks.

N T

O N

~~S~~  
~~G A~~

~~S T~~  
~~I~~

~~S~~  
~~I N~~

B E  
P

1. S       S  
 3. G A I N

2.       S T  
 4.    A I

Try to spell some words.

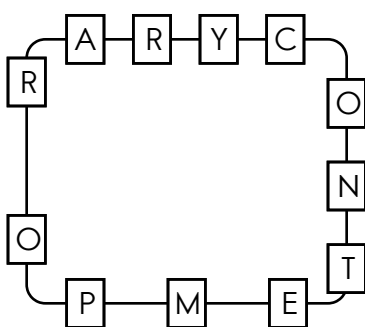
ger • tt • ~~he~~ • ex • ide • sl • owl • po • er • gr • fin  
 ld • od • so • te • ~~xc~~ • se • wo • fr • ee • ose • whi  
 us • th • pl • bu

ache \_\_\_\_\_

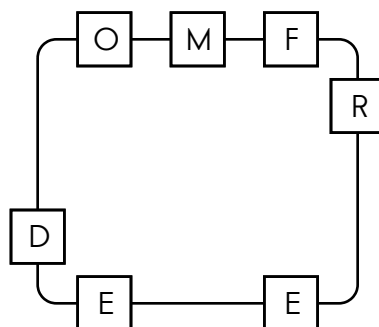
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\_\_\_\_\_

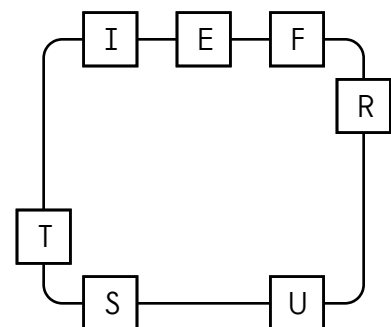
Write the hidden word. Start at one letter and then move either left or right. Continue in same direction.



\_\_\_\_\_



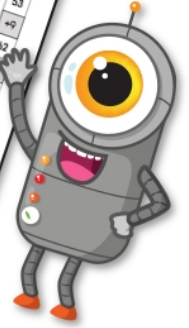
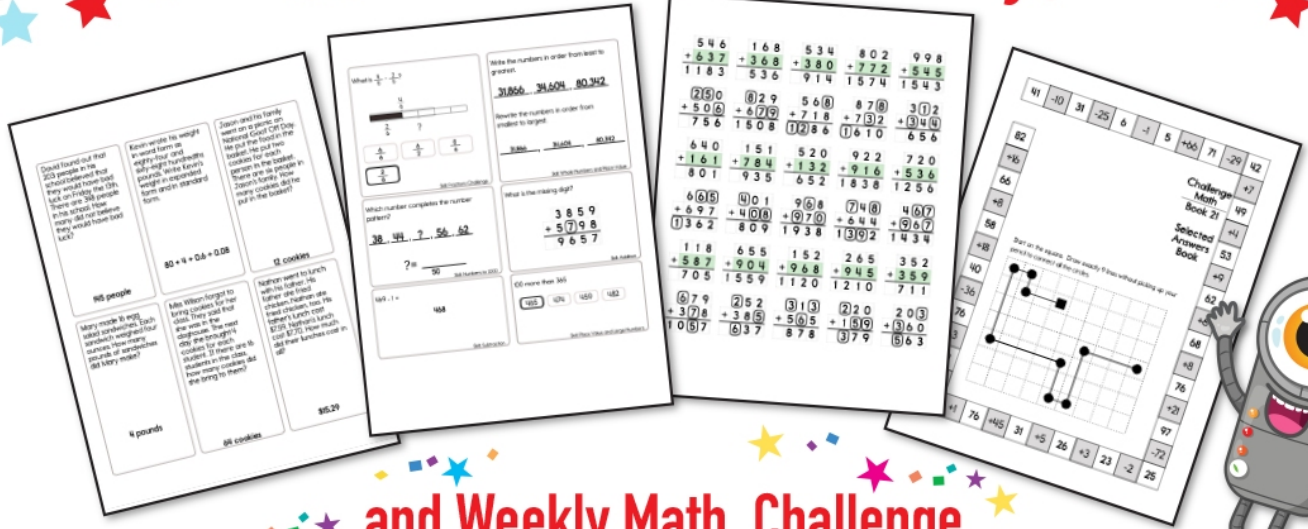
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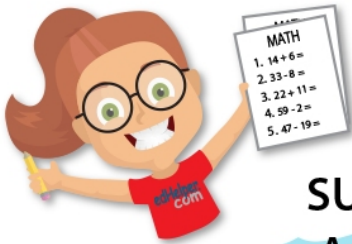
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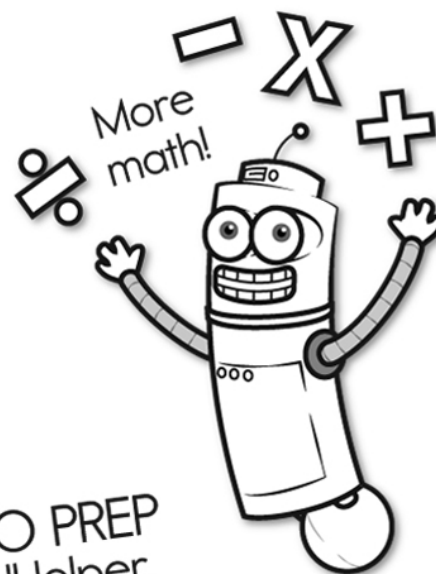
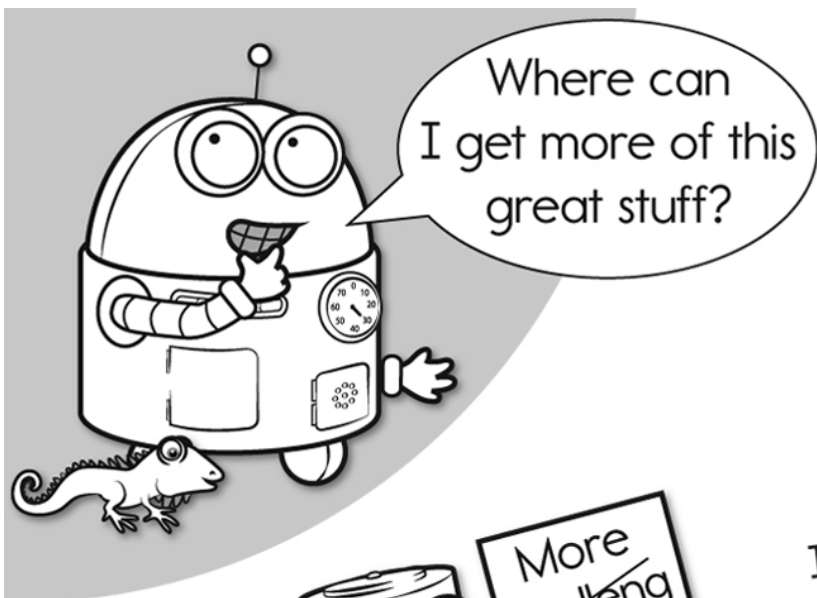
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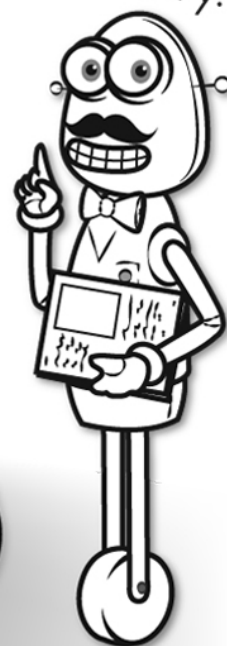


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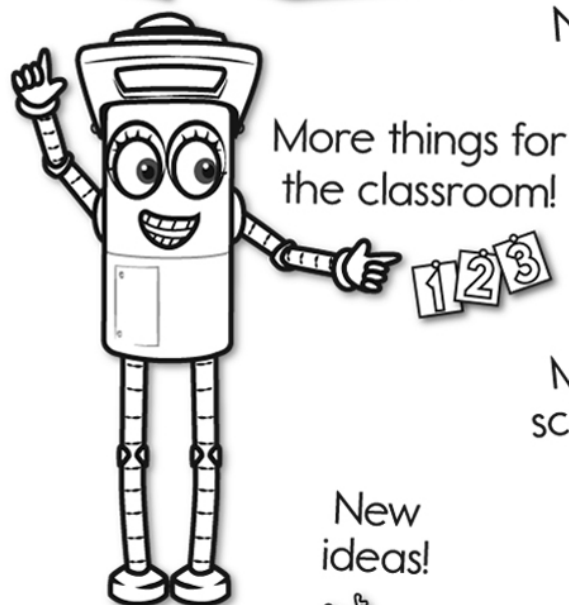
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