

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

$$556 \div 10$$

In what quadrant would you find the point (6, 3)?

$$0.3 (0.9 (0.3 \times 6)) =$$

Write as an algebraic expression.

$54 \frac{1}{13}$  divided by the sum of a and s

What is the perimeter of a rectangle with a length of 50 centimeters and a width that is  $\frac{1}{5}$  the length?

What is the mode of the following number set?

50, 50, 49, 59, 45, 41, 40, 55, 37, 44, 38, 45, 49, 52, 54, 51

$$6 \div 2 + 9$$

Use >, <, or = to complete.

$$33\% \text{ --- } \frac{2}{10}$$

$$53\% \text{ --- } \frac{3}{7}$$

$$83\% \text{ --- } \frac{3}{11}$$

$$120 \div 12 + 5$$

$$6 + 48 \div 6 - 77 \div 11 =$$

31, 41, 51, 61, \_\_\_\_\_, 81, 91, 101, 111, 121

$$|-8| - w = 10$$

$$w =$$

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Mental Math

— #1 —

 Start with the number 629.

629



 Add the number of ounces in 1 pound.


7 3 6 6 4 5 9 0 3 6 (Circle your answer to double check you are correct.)

 Add half of 50.

6 7 0 9 9 3 3 6 5 5

 Divide that number in half.

7 2 3 3 5 9 9 6 6 8

 Add the digits in your number. The sum of that is your new number.

2 7 4 2 1 1 8 6 0

 Multiply by 9.

2 6 9 3 6 8 7 9 9 6

Mental Math

— #2 —

 Start with the number 884.

7 6 2 4 8 1 8 8 4 2 (Circle your answer to double check you are correct.)

 Add the number of inches in 1 foot.

1 8 9 6 8 4 9 7 7 9

 Divide that number in half.

2 9 1 6 4 4 8 4 8 2

 Add the number of cups in 3 quarts.

2 4 6 0 1 6 7 0 3 9

 Divide that number in half.

2 7 8 2 3 0 9 1 7 0

 Add three-fourths of a dozen.

2 3 9 2 5 8 6 7 9 6

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

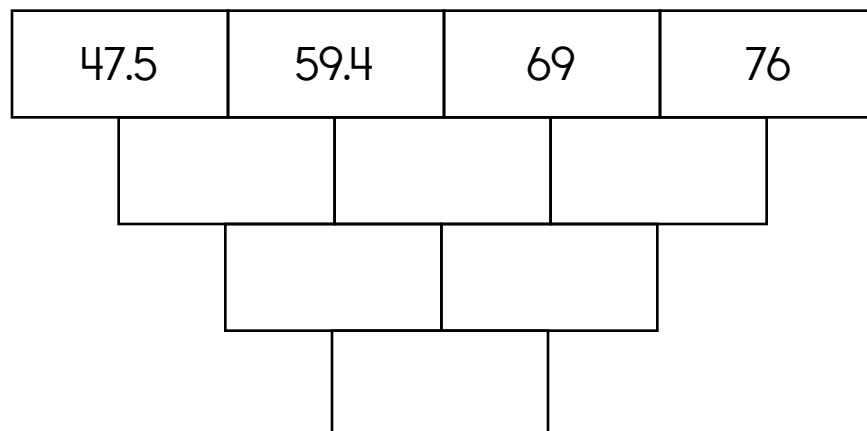
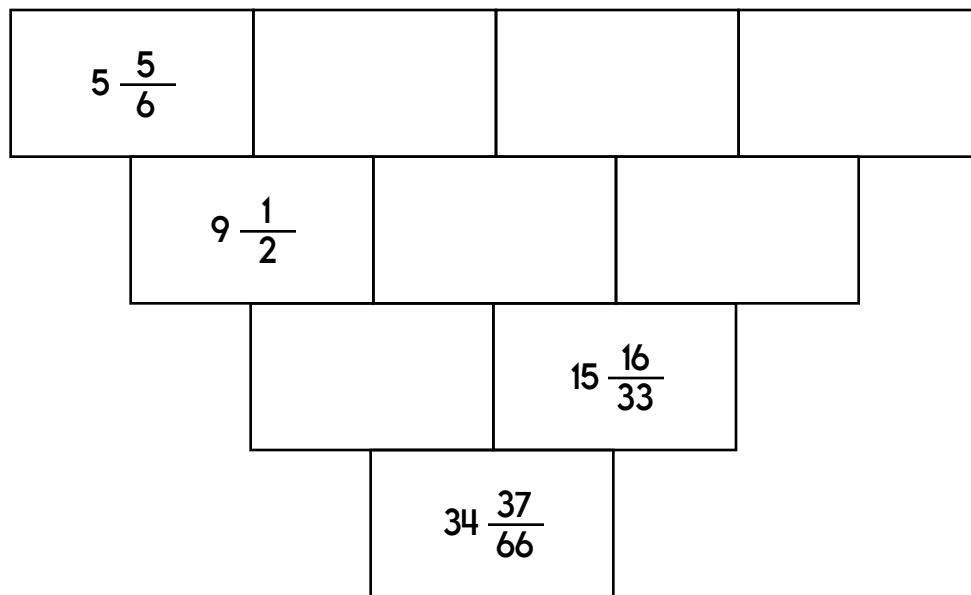
Mrs. Garcia made  $\frac{1}{2}$  of a gallon of mudbug stew for her dinner guests. Each serving of the stew is  $\frac{3}{5}$  cup. How many guests can she serve with that amount of stew?

Which product is closer to zero, the product of  $(52)(-76)$ , or the product of  $(-71)(-150)$ ?

Justin has a headache. He can't stand long lists. "Can you repeat that again?" he asks. "It's easy. Name a number that is greater than 5, less than 13, is a multiple of 6, and FINALLY is a factor of 30," replies Gavin.

Rewrite this mixed number as an improper fraction.

$$14 \frac{10}{11}$$

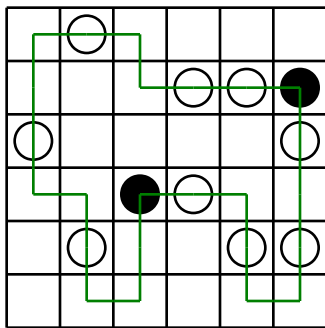
[illegible]

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

$24\frac{3}{8}$	$+24$		$+\frac{4}{12}$				$+56$	
				$-\frac{2}{8}$			$+9\frac{5}{8}$	$-39$
	$+8\frac{6}{8}$		$+48$					
$+3$						$+\frac{9}{12}$		$-\frac{2}{4}$
	$-15$	$93\frac{5}{24}$	$+6$		$-\frac{3}{4}$			$125\frac{1}{3}$

$32\frac{1}{12}$	$+2\frac{2}{3}$		$+\frac{4}{12}$		$+9$		$-\frac{4}{5}$	
								$-18$
			$+57$		$-8\frac{4}{5}$			$94\frac{11}{15}$
								$-\frac{2}{3}$
	$-39$		$-5$		$+\frac{4}{12}$		$-38$	
$+\frac{1}{3}$								
	$+15$	$63\frac{5}{12}$	$+\frac{7}{12}$	$64$	$+49$		$-3\frac{3}{5}$	$52\frac{7}{15}$

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

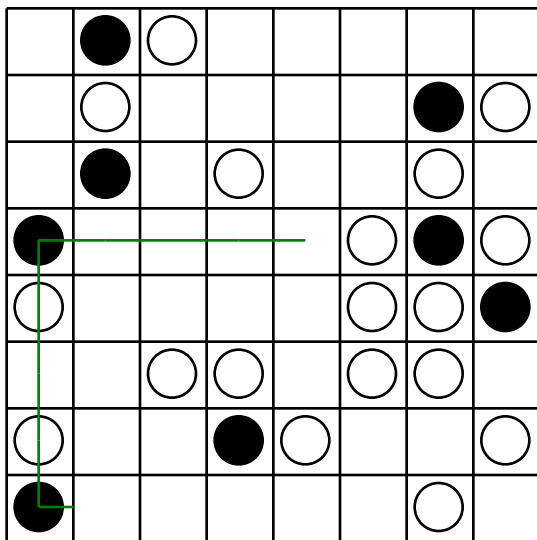


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

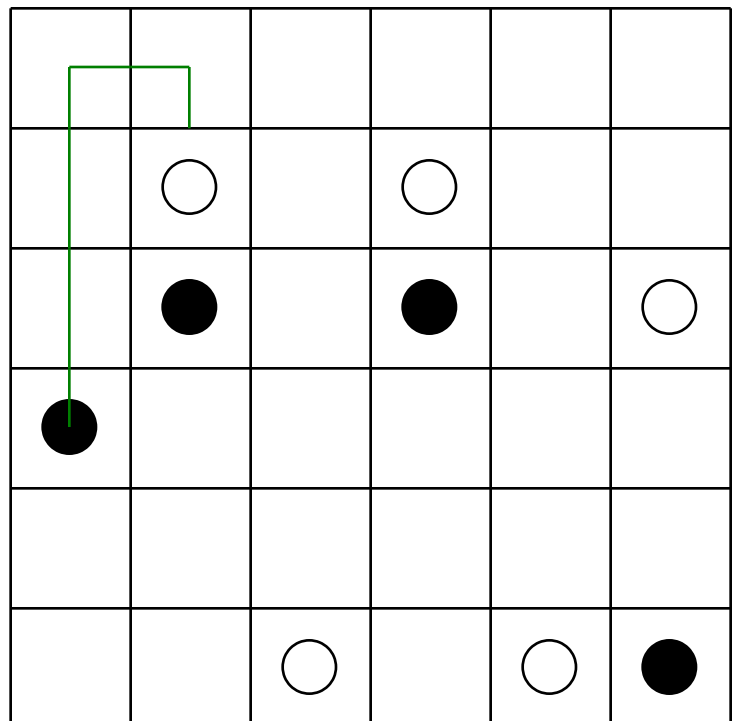
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



You can buy 3 toys for \$9 at the store. At this rate, what would be the cost of nine toys?

$$9 \times 6 = \underline{\hspace{2cm}}$$

$$7 \times 12 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 77 \\ - 44 \\ \hline \end{array}$$

$$144 \div 12 = \underline{\hspace{2cm}}$$

$$\begin{array}{r} 28 \\ + 26 \\ \hline \end{array}$$

Emily rolls a die. What is the chance of her rolling a 5?

\_\_\_\_\_

$$60 \div 6 = \underline{\hspace{2cm}}$$

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

Two fancy pens cost \$10. At that rate, what is the cost of 4 fancy pens?	1 kg = 1,000 g	27 cm = _____ mm
	28 kg = _____ g	

Write an equation to represent this: The sum of eleven and seven is eighteen. _____	How many kilograms are in 9,000 grams? _____ kilograms
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274 + 396 = _____	You have four digits to use in an addition problem: 1, 8, 2, and 4. Make up a problem where you have two 2-digit numbers. What is the largest sum you can make?	$\begin{array}{r} 331 \\ + 241 \\ \hline \end{array}$
7 x 11 = _____		

3 x 11 = _____	36 ÷ 4 = _____	$\begin{array}{r} 948 \\ - 255 \\ \hline \end{array}$	<p>Hannah got a new soccer shirt. Can you guess the number on the back of her shirt?</p> <p>It has two digits. The digits add up to 10. The larger digit is 6 more than the smaller digit. The number is even.</p>
2 x 3 = _____			

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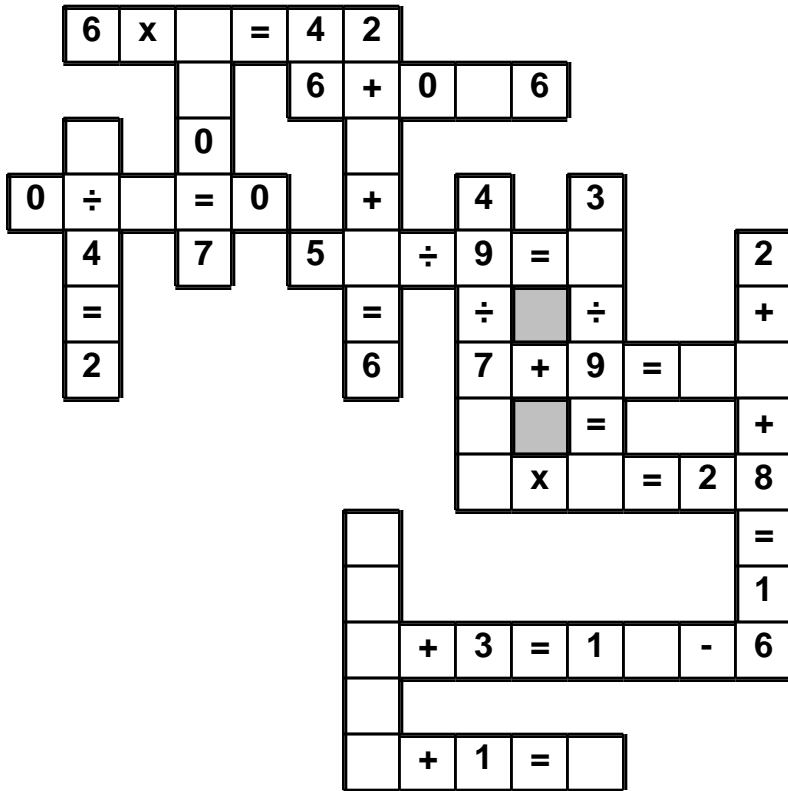
$143 + 237 = \underline{\hspace{2cm}}$		<p>If you divide 101 by 5, you get a remainder of 1. Make up three other different equations where you divide by 5 and get a remainder of 1.</p>
$16 \div 8 = \underline{\hspace{2cm}}$		
$14 \div 7 = \underline{\hspace{2cm}}$		

<p>For 65,554,829,040, write the digit that is in the ten thousands place.</p> <p>_____</p>	<p>What time is 15 hours after 3:00 p.m.?</p> <p>_____</p>	$7 \times 10 = \underline{\hspace{2cm}}$
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<p>Can 747 be evenly divided by 6? Circle:</p> <p>747 is evenly divisible by 6</p> <p>747 is NOT evenly divisible by 6</p>	$4 \times 12 = \underline{\hspace{2cm}}$
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$5 \times 6 = \underline{\hspace{2cm}}$	<p>A bike originally priced at \$80 is marked down by 50%. What is the sale price?</p>	$72 \div 12 = \underline{\hspace{2cm}}$
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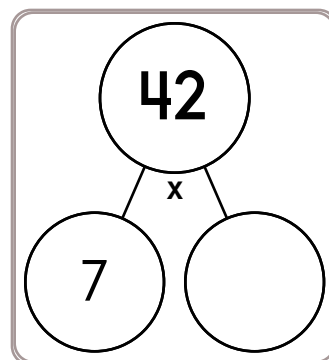
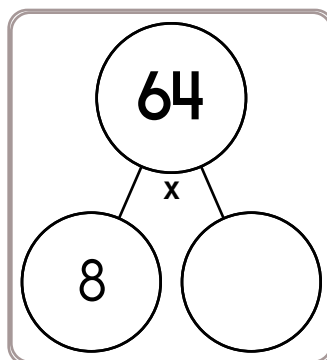
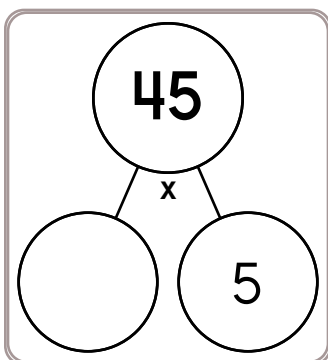
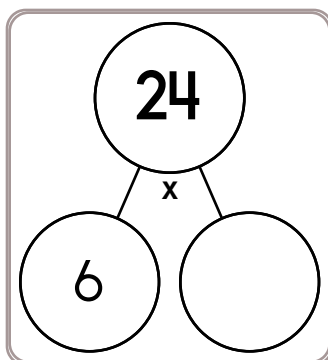
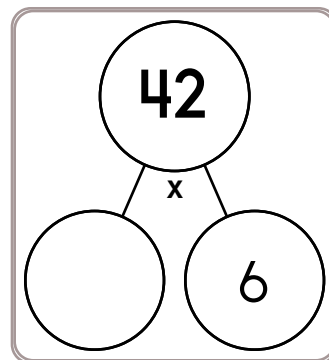
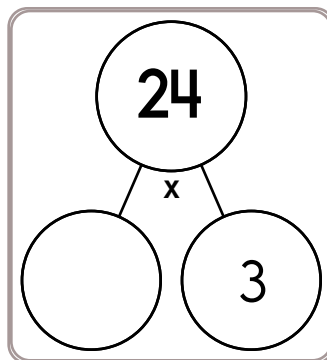
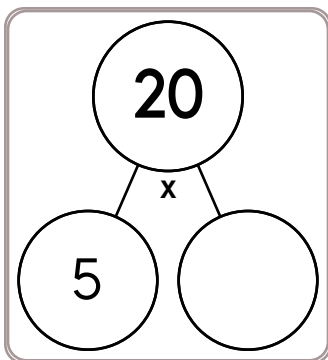
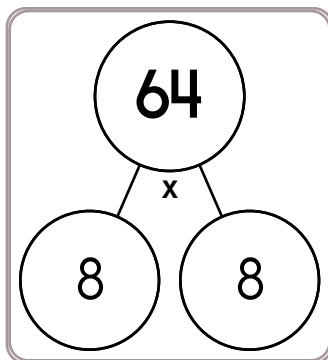
Use the pieces above to help you fill in the runaway math puzzle.



$$30 \div 3 = \underline{\hspace{2cm}}$$

$$221 - 159 = \underline{\hspace{2cm}}$$

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$$336 \div \underline{\quad} = 4$$

$$\underline{\quad} \div 94 = 5$$

$$\underline{\quad} \div 40 = 3$$

$$240 \div \underline{\quad} = 30$$

$$549 \div \underline{\quad} = 61$$

$$\underline{\quad} \div 69 = 3$$

$$\underline{\quad} \div 3 = 87$$

$$256 \div \underline{\quad} = 64$$



$$138 \div 6 =$$

$$315 \div 45 =$$

$$228 \div 6 =$$

$$252 \div 28 =$$

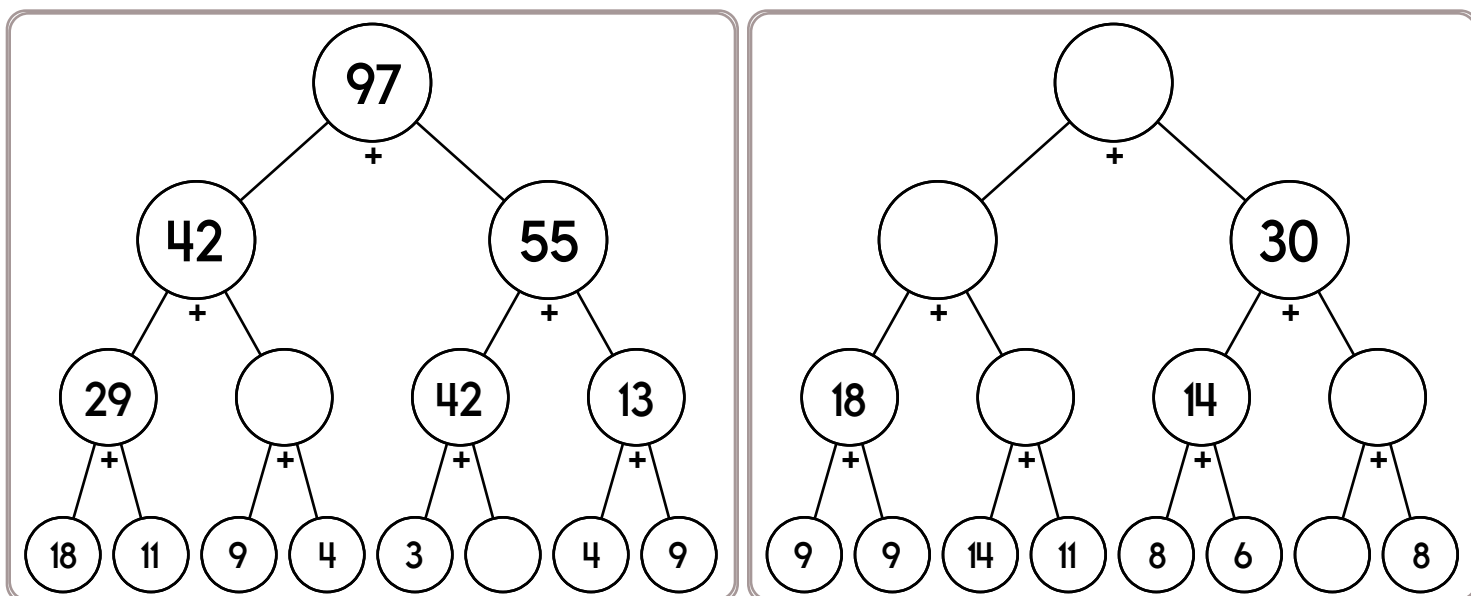
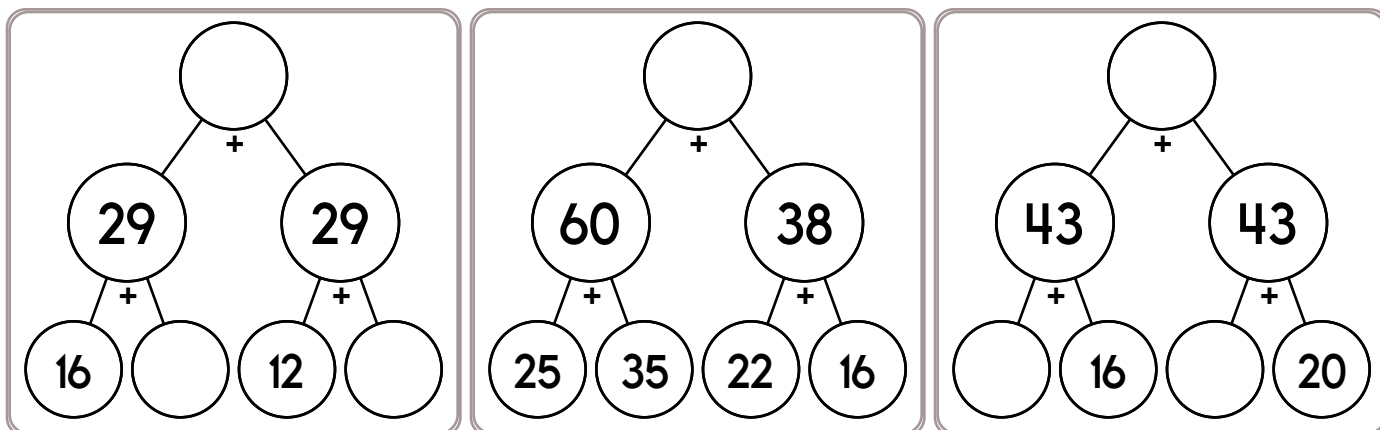
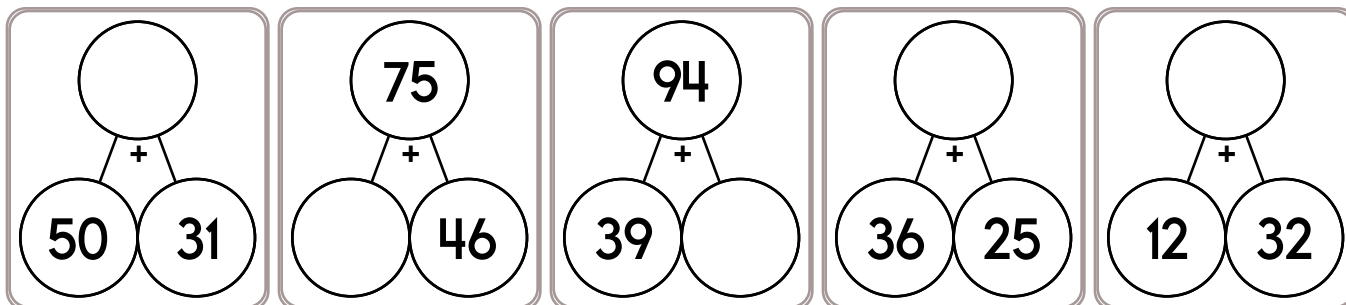
$$581 \div 7 =$$

$$711 \div 79 =$$

$$276 \div 92 =$$

$$170 \div 34 =$$

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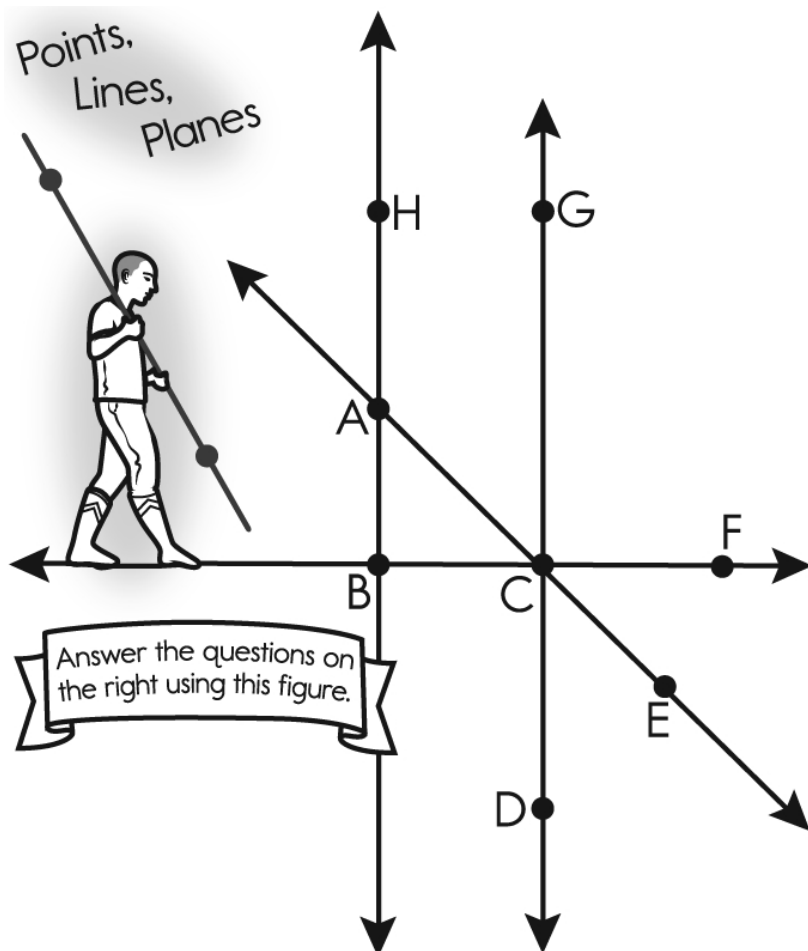
$18 - t + 8 = 15$   
What is the value of  $t$ ?

$|-74| \times [44] =$

What is the greatest common factor of the numbers 56 and 42?

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

Points,  
Lines,  
Planes



What is another name for  $\overleftrightarrow{GD}$ ?

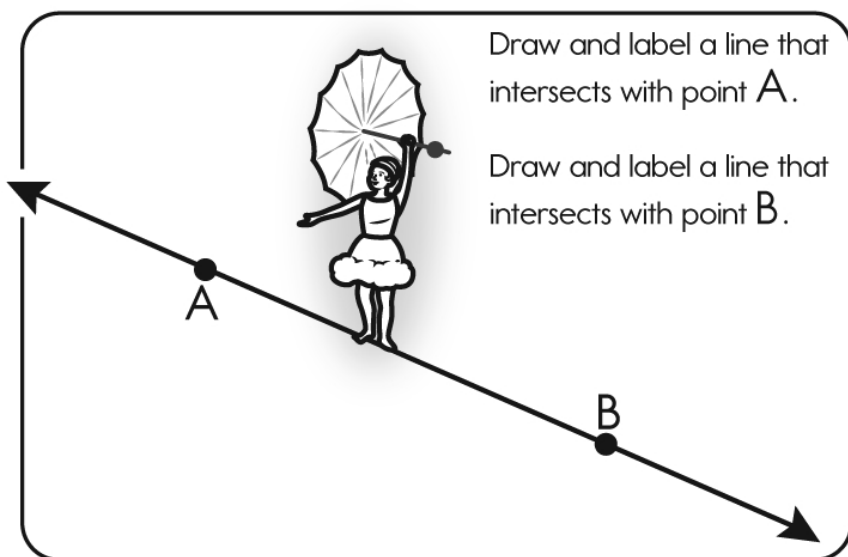
What is another name for  $\overleftrightarrow{BC}$ ?

What is another name for  $\overleftrightarrow{AC}$ ?

What point is common to  $\overleftrightarrow{HB}$  and  $\overleftrightarrow{CE}$ ?

What point is common to  $\overleftrightarrow{GD}$ ,  $\overleftrightarrow{AE}$  and  $\overleftrightarrow{BF}$ ?

Name a plane that the tight ropewalker is on:



	Point	Line	Line Segment	Ray	Plane*
Example:					
Symbol:	A	$\overleftrightarrow{AB}$	$\overline{AB}$	$\overrightarrow{AB}$	ABF

\* A plane can be defined by three points it contains, as long as they are not on the same line.

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$$8 \overline{) 5.7816}$$

$$7 \overline{) 4681.46}$$

$$3 \overline{) 1.698}$$

Find the difference  
between 29.6 and 11.7.

$$19.6 - 7.28 =$$

$$\begin{array}{r} 5.73 \\ +4.46 \\ \hline \end{array}$$

Simplify.

$$\frac{27}{54} =$$

Simplify.

$$\frac{184}{276} =$$

The letter V has an unknown value. If you multiply V by eight, the product is two. What value does V have?

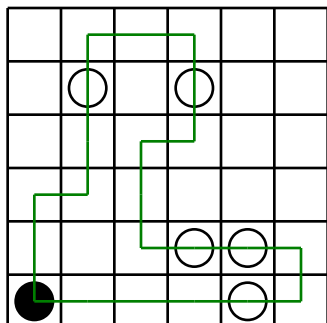
$$18.4298 \times 10^2 =$$

$$\frac{8}{9} \times \frac{3}{10}$$

$$3 \times (39 \div 3) - 80 \div 8 =$$



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

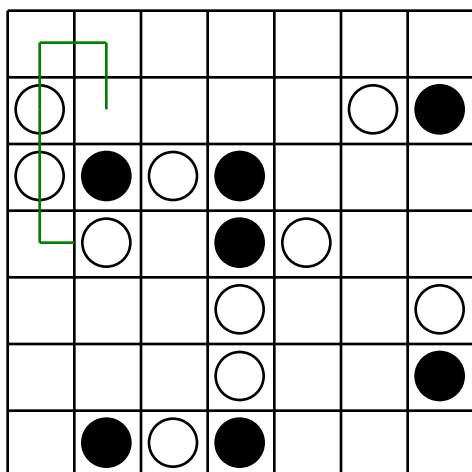


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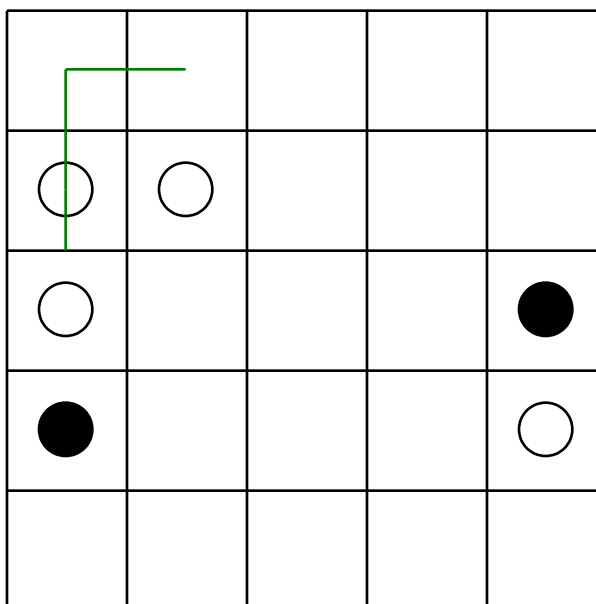
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



Write 526,524 in words.

\_\_\_\_\_

$7 \times 6 =$  \_\_\_\_\_

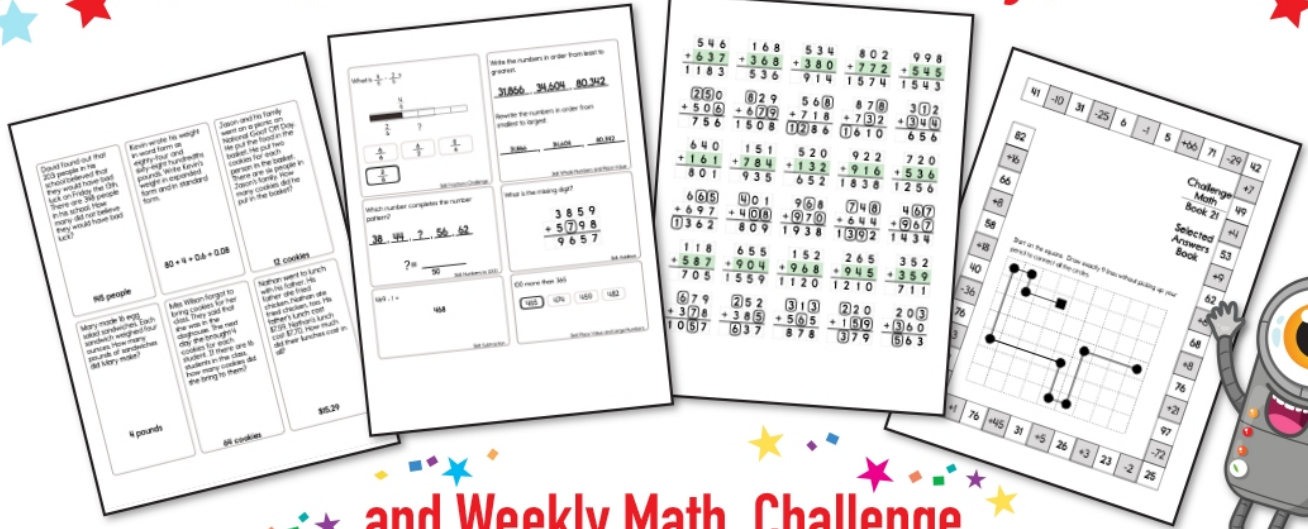
$(6 + 8) + 6 =$  \_\_\_\_\_

$30 \div 10 =$  \_\_\_\_\_

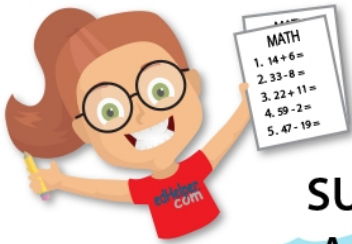
$6 \times 3 =$  \_\_\_\_\_

Three girls ran a race.  
Erin was not as fast as Megan.  
Megan ran past Mary in the  
race and Mary never caught  
up.  
Who won the race? Do you  
have enough information to  
know?

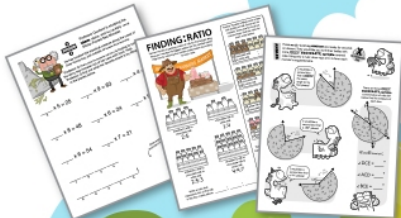
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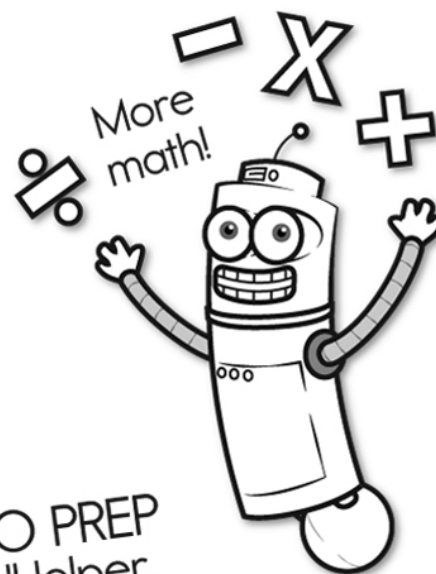
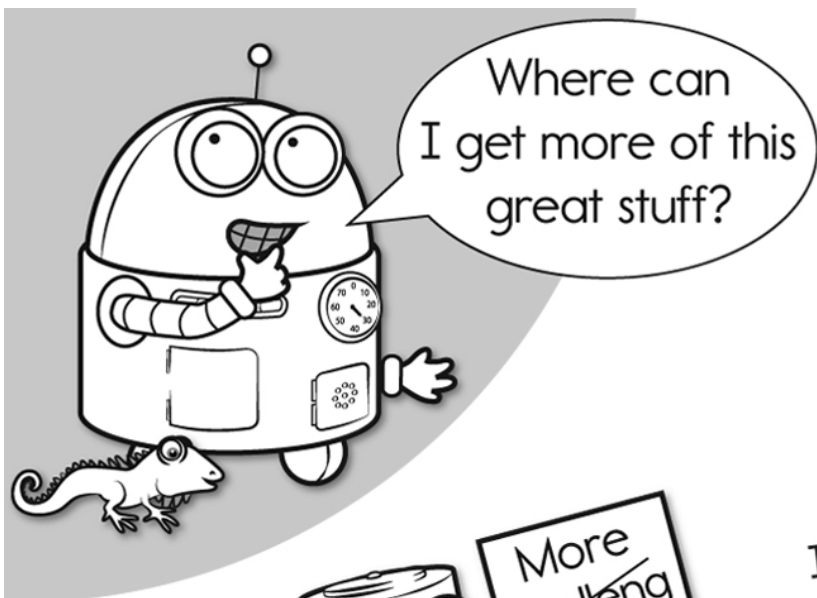
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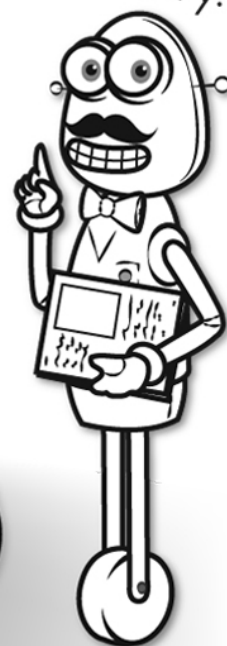


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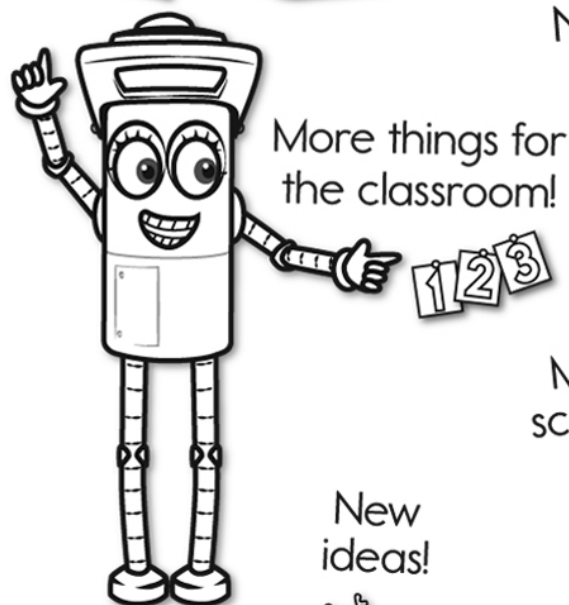
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