

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

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

**A**

60	<b>13</b>	81
-	62	45 99
	20	<b>5</b> 10
	11	41 <b>8</b>

Find a subtraction fact.

**B**

<b>75</b>	27	47
-	71	19 83
	43	14 93
	37	91 89

Find a subtraction fact.

**C**

<b>60</b>	22	23
-	94	24 38
	87	29 41
	68	80 88

Find a subtraction fact.

Equations:

Write the equation facts you found.

<b>A</b>	<b>13</b>	<b>-</b>	<b>5</b>	<b>=</b>	<b>8</b>
<b>B</b>		<b>-</b>		<b>=</b>	<b>75</b>
<b>C</b>	<b>60</b>	<b>-</b>		<b>=</b>	

$(8 \times 4) - 12 - 9$

In the parking lot there are 14 vehicles. There are 3 SUVs. What fraction of the vehicles are not SUVs?

triple 60 =

How many total legs are on 6 chickens?

Which number is a 4-digit even number?

Robert earns \$24 an hour. He worked 5 hours. How much did he make?

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

Complete each pattern. Write what the rule is.

6	42	294	2,058	14,406	100,842
8	16	32	64	128	
9	54		1,944	11,664	69,984
3	27		2,187	19,683	

Find the missing numbers.

If

$$1, 1 = 2$$

$$2, 2 = 4$$

$$3, 3 = 6$$

$$4, 4 = 8$$

Then

$$5, 5 = ?$$

If

$$3, 3 = 9$$

$$4, 4 = 16$$

$$5, 5 = 25$$

$$6, 6 = 36$$

Then

$$7, 7 = ?$$

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

Anne wanted a Levi Strauss & Co. faded blue denim jacket. She found two that she liked. At Kitty's Korner the jacket cost \$55.68. At Elementals, the same jacket cost \$64.15. How much more did the jacket cost at Elementals?

Hunter needs three new pairs of jeans for school. The kind he likes is on sale at Fantastic Finds for \$20.95 per pair. He found three pairs in his size and paid for them with a \$100 bill. How much change did he receive?

Make a coordinate grid where you can plot x and y values from 0 to 11. Remember x goes to the right and y goes up. Plot these points: (5, 4), (5, 8), (1, 4), and (1, 8). What is the perimeter of the rectangle you drew?

Max was having so much fun making cupcakes for his class. He made  $2\frac{1}{2}$  dozen of them!

But there are only 22 kids in his class. Everyone ate one cupcake except for Ava, who does not like cupcakes. How many cupcakes are left over?

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

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

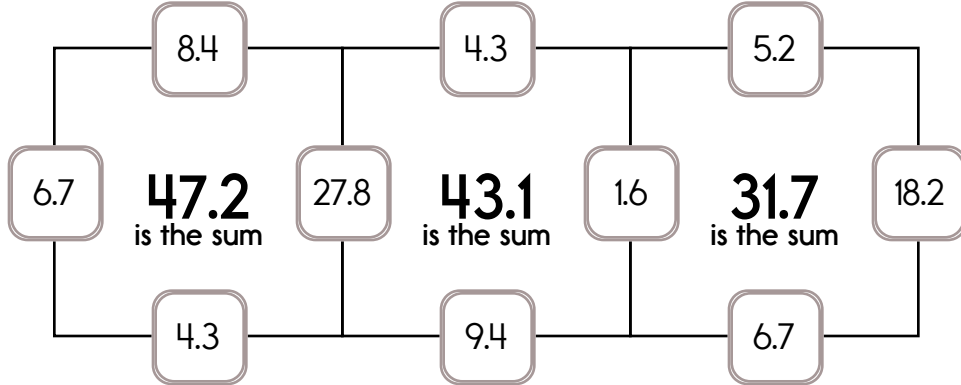
Example:

$$6.7 + 27.8 + 8.4 + 4.3 = 47.2$$

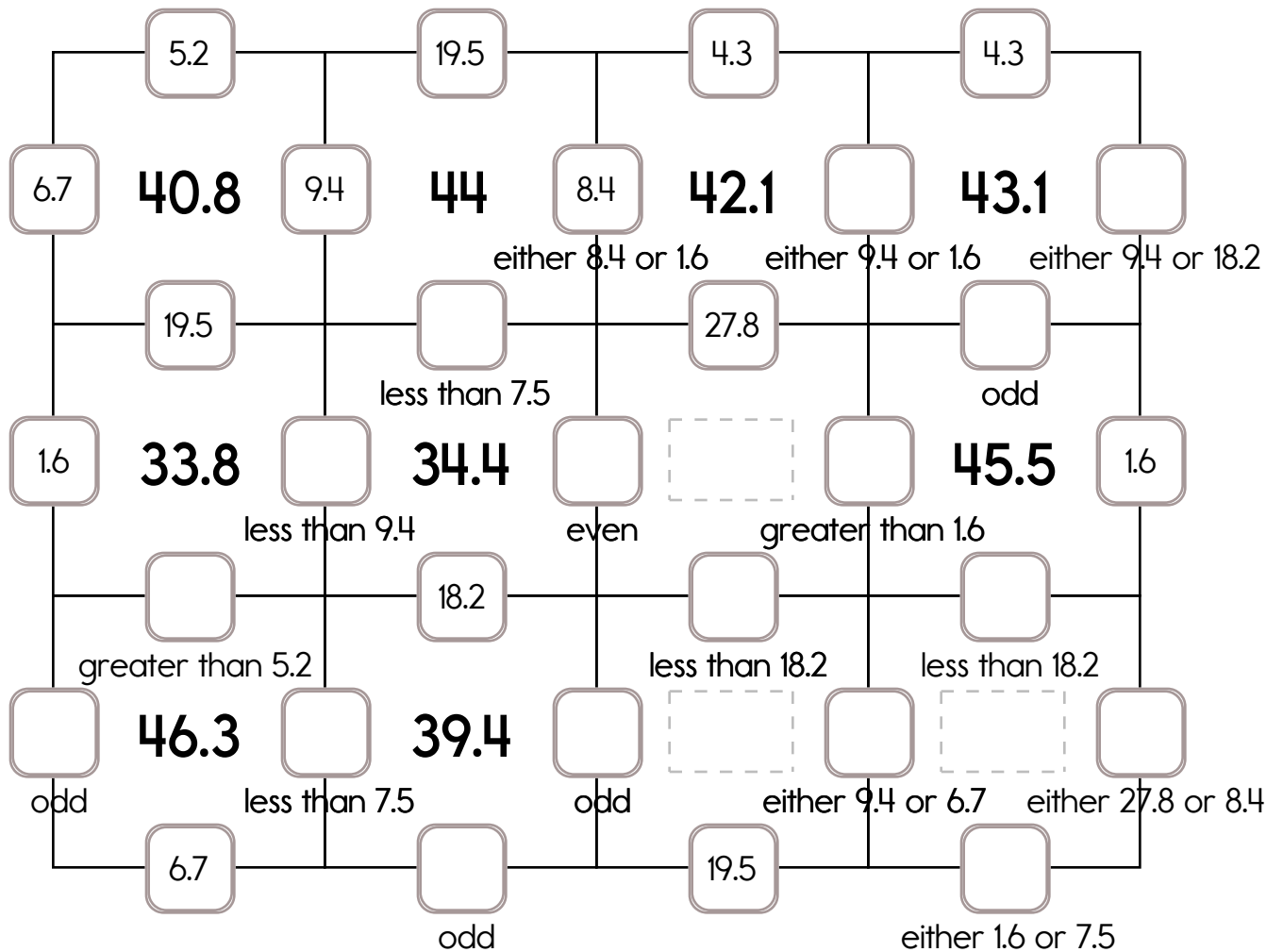
Example:

$$1.6 + 18.2 + 5.2 + 6.7 = 31.7$$

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: 27.8, 19.5, or 18.2. The other three numbers have to all be DIFFERENT and must be from these: 7.5, 8.4, 5.2, 1.6, 4.3, 9.4, or 6.7.



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: 21.1, 13.3, or 24.3.  
The other three numbers have to all be DIFFERENT and must be from these: 2.7, 6.9, 3.4, 4.9, 9.5, or 8.2.

	21.1			3.4		4.9		
			odd					
8.2	<b>41.1</b>	4.9	<b>31.1</b>	9.5	<b>45.4</b>	24.3	<b>45.6</b>	
			greater than 2.7					odd
	6.9					6.9		
			odd		even			
	<b>42.4</b>		<b>31.1</b>	13.3	<b>33.7</b>		<b>27.8</b>	
either 9.5 or 21.1		greater than 3.4				less than 8.2		either 4.9 or 13.3
	greater than 2.7			less than 13.3			even	
			<b>36.7</b>		<b>42.2</b>		<b>36.9</b>	21.1
		even		either 21.1 or 3.4		less than 13.3		
	odd		odd				even	
	<b>38.2</b>		<b>27.6</b>		<b>40.8</b>		<b>38.8</b>	
greater than 3.4		even		either 3.4 or 8.2		greater than 13.3		greater than 4.9
			odd		even			
	<b>45.7</b>		<b>37.9</b>					
less than 24.3		greater than 4.9		less than 24.3		either 21.1 or 6.9		
				less than 9.5				less than 13.3



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

Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.



<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">110   100</div> </div> <div style="margin-top: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">5</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">55   50</div> </div> <div style="margin-left: 40px; padding-top: 5px;">11   10</div> </div> <p style="margin-top: 20px;">GCF: <u>10</u></p>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">44   32</div> </div> <div style="margin-top: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">22   16</div> </div> </div> <p style="margin-top: 20px;">GCF: _____</p>
--	--

<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">2</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">36   20</div> </div> <p style="margin-top: 20px;">GCF: _____</p>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">6</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">108   54</div> </div> <p style="margin-top: 20px;">GCF: _____</p>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">4</div> <div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px;">36   48</div> </div> <p style="margin-top: 20px;">GCF: _____</p>
---	--	---

<div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px; margin-bottom: 10px;">54   96</div> <p style="margin-top: 20px;">GCF: _____</p>	<div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px; margin-bottom: 10px;">20   48</div> <p style="margin-top: 20px;">GCF: _____</p>	<div style="border: 1px solid black; padding: 5px; display: flex; gap: 20px; margin-bottom: 10px;">78   66</div> <p style="margin-top: 20px;">GCF: _____</p>
--	--	--



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

Spin again.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.

2	22	16	10
	11	8	5
GCF: <u>2</u>			

5	35	50	30
GCF: _____			

10	120	100	50
GCF: _____			

5	165	105	150
GCF: _____			

300	180	400
GCF: _____		

60	55	50
GCF: _____		

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

Alex built a reading loft in his room. The floor of the loft was 6.5 feet long and 6.3 feet wide. What was the perimeter of the loft?

Write a letter that has a line of symmetry.

\_\_\_\_\_

Circle the addition property for  $30 + 157 = 157 + 30$ .

associative property  
commutative property

$$\begin{array}{r} 54 \\ - 32 \\ \hline \end{array}$$

Erin wrote that 74 divided by 7 has a remainder of 4. For her homework, she needs to find four other numbers that when divided by 7 will have a remainder of 4. Help her with her homework.

1 km = 1,000 m

7 km = \_\_\_\_\_ m

$$\begin{array}{r} 977 \\ - 950 \\ \hline \end{array}$$



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

Circle the greatest number: 892,310,576,469 84,909,403,127 376,251 2,381,045	$\begin{array}{r} 449 \\ + 347 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ + 41 \\ \hline \end{array}$
--	---	---

Ava has two favorite numbers. If you add her favorite numbers, you get 20. If you multiply her favorite numbers, you get 36. What are her mystery numbers?  _____	How many feet are in 24 inches?  _____ feet
---	---

Robert invented a robotic bug. The bug can crawl four centimeters in eighteen seconds. How long would it take the bug to crawl twenty-three centimeters?	$70 \div 10 =$	28 kg = _____ g
--	----------------	-----------------

In the number 184,130,964,052, the digit 2 is in what place?  _____	Circle the digit in the hundredths place.  4,896.4936
---	---

Ava wants Mary to guess a three digit number. She tells Mary that her number has three different digits. The digits are 7, 8, and 5. Mary thinks. She then guesses the number 857. What are the chances that Mary has guessed correctly?	$8 \times 7 =$
--	----------------

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

What can you multiply by 12 to get 7?	$(6 + 3) + 5 =$
	$3 \times 5 =$

A 9 cm x 9 cm x 9 cube was made by Peter. He used centimeter blocks. How many blocks did he use?	What is the meaning of the underlined word? After a boy in our class got in trouble for <u>mocking</u> someone from another class, he was suspended for bullying. _____
--	---

$132 \div 11 =$	Anne wants to call Wendy. Wendy is on vacation in Asia. It is a time difference of eleven hours. Wendy's time is always later than Anne's time. If it is 3:33 P.M. where Anne lives, then what time is it where Wendy is? _____	Which pronoun best completes the sentence? _____ is the brother of those two sweet sisters? <input type="radio"/> (A) Whom <input type="radio"/> (B) Who <input type="radio"/> (C) Whose <input type="radio"/> (D) Who's
-----------------	--	---

Circle the smallest number: 63,057,843,675      2,914 534,107,269,884      1,276,503	Can 963 be evenly divided by 9? Circle: 963 is NOT evenly divisible by 9 963 is evenly divisible by 9
Cross out all of the prepositional phrases in the sentence. Charley ran across the street after the ball.	

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

= • x • 0 • 8 • 2 • = • 5 • 8 • 8 • 2 • 1 • 5 • 3 • 5 • ÷ • 7  
7 • = • 6 • 5

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

0 + 6 = 6				4 x 7 = 28			
						3 x	= 0
	9 + 3 = 1					1	
-	=		2 + 3			5	
2 +	= 7		7			4	
=	4		+			÷	
6		1	1			6	
+		7 + 1 =				=	
2 + 0 =			1			9	
	x 6 =		0		4	4	
	2				9	0	
					÷	÷	
						5	
4 8 ÷ 8					=	=	
		6 ÷ 7 =	8				

Which has the largest answer?  
316 x 410    304 x 410    302 x 410

Write a letter that has two or more lines of symmetry.

\_\_\_\_\_

7 x 10 =

What time is 13 hours after 3:00 p.m.?

\_\_\_\_\_

In each group, circle the word that is spelled correctly.  
frajile, fragile  
Moter, motor  
scene, sene

Circle the answer that best completes the sentence.  
(May/Can) I have the last donut?

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

Figure out how many gold medals France, Austria, and Germany received.

1. If France won six more gold medals, they would have won the same number of gold medals as Austria.
2. The three countries won a total of twenty-one gold medals.
3. Germany won three times as many gold medals as France.
4. Austria won six more gold medals than one-third the number of gold medals won by Germany.

Holly will win if a random number pulled out of a box is an odd number. 25 pieces of paper, numbered 1 to 25, are put inside a box. What is the chance that Holly will not win?

Can 848 be evenly divided by 4? Circle:  
848 is NOT evenly divisible by 4  
848 is evenly divisible by 4

In each pair, circle the word that is spelled correctly.

difer, differ  
facktory, factory  
hamburger, hamburgr

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

$$\begin{array}{r} 6 \frac{1}{5} \\ - 4 \frac{1}{12} \\ \hline \end{array}$$

Reduce  $\frac{48}{51}$  to its lowest terms.

$$\begin{array}{r} 3 \frac{5}{9} \\ + \frac{5}{12} \\ \hline \end{array}$$

Reduce each fraction to its lowest terms.

$$\begin{array}{l} \frac{6}{10} = \\ \frac{16}{72} = \\ \frac{7}{49} = \\ \frac{56}{60} = \end{array} \quad \begin{array}{l} \frac{25}{30} = \\ \frac{5}{15} = \end{array}$$

$$4 + \frac{1}{3}$$

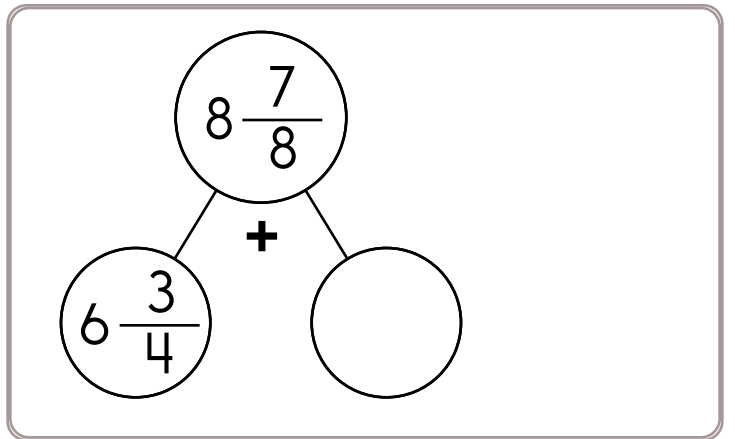
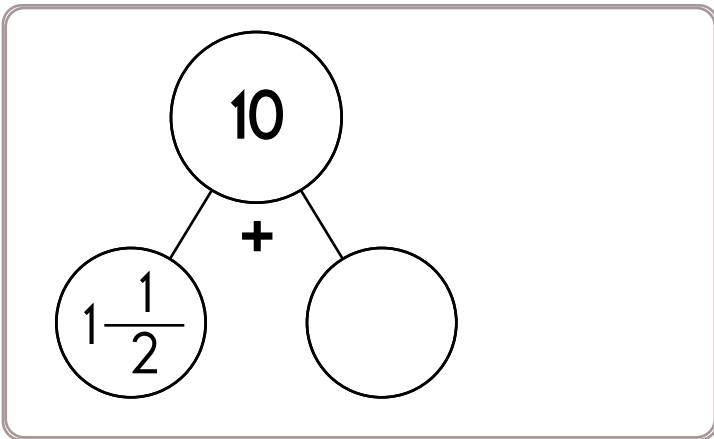
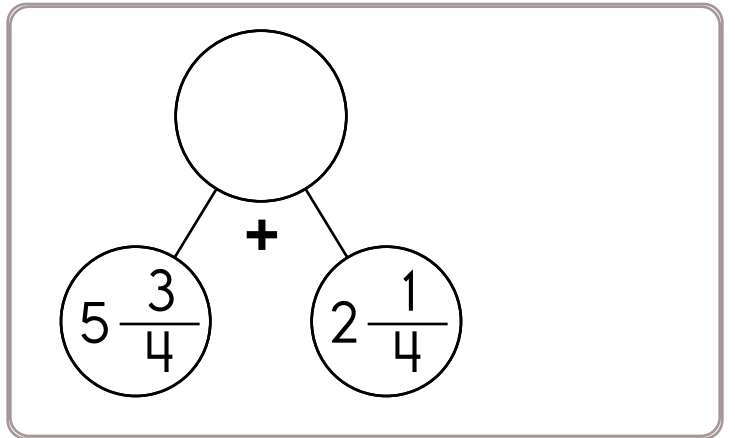
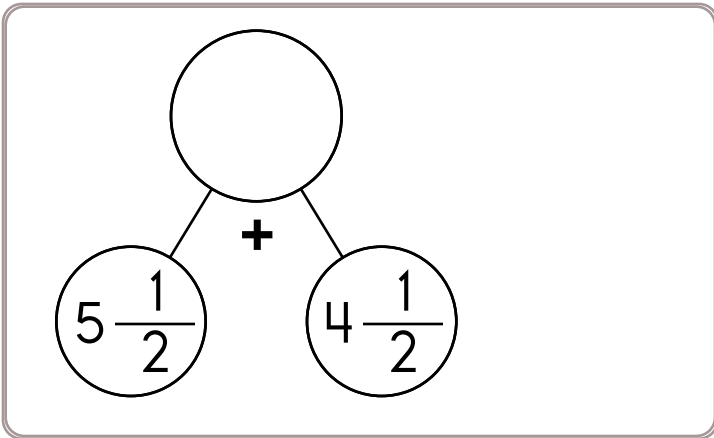
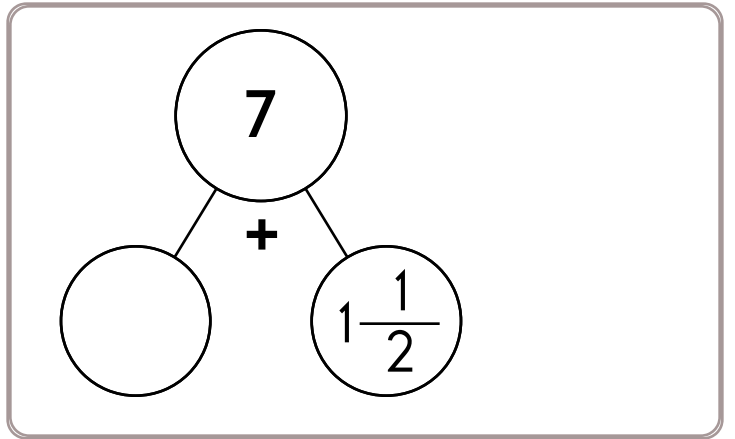
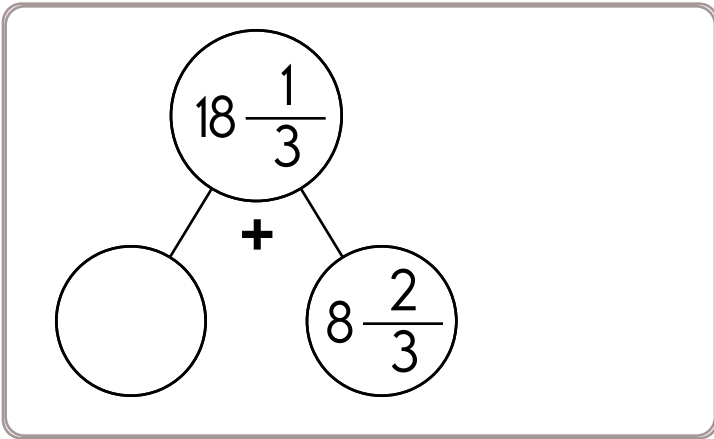
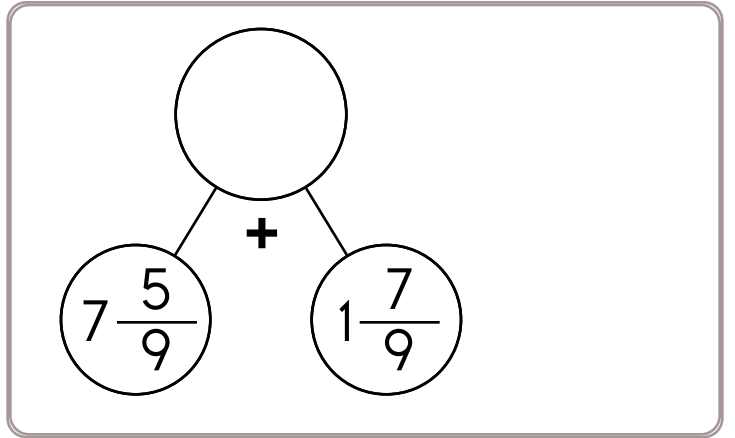
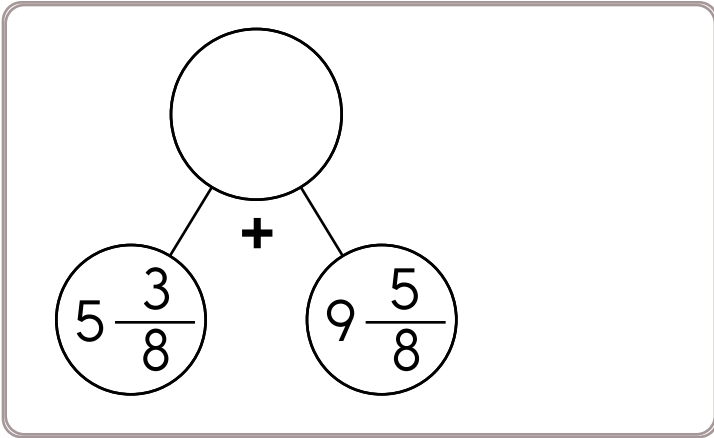
$$8 - \frac{1}{2}$$

Change  $\frac{154}{21}$  to a mixed number.

$$\begin{array}{r} 12 \frac{2}{5} \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \frac{1}{6} \\ - 6 \frac{1}{4} \\ \hline \end{array}$$

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



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

The number 342 expressed as a product of its prime factors is  $2 \times 3 \times 3 \times 19$ . Using this, try to quickly figure out how to express the number 1,026 as a product of its prime factors.

Write the greatest common factor for each pair of numbers.

36 and 52

42 and 70

40 and 56

A number is written as a product of its prime factors as  $2^3 \times 7^2$ .

Write out the number.

Another number written as a product of its prime factors is  $2^4 \times 7^4 \times 17$ .

Write out the number.

You may be surprised to learn that prime numbers are used for sending information securely over the internet. The internet uses computers, so they do this by multiplying two huge prime numbers. It is hard work. Here is a challenge for you. The number 33 is the product of two prime numbers. What are the two prime numbers?

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

Subtract 152 from 646.

$$\begin{array}{r} 776 \\ - 174 \\ \hline \end{array}$$

$$\begin{array}{r} 46,987 \\ - 26,000 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 67 \\ 23 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 851 \\ 674 \\ + 526 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 57 \\ \hline \end{array}$$

$$8 \overline{) 328}$$

$$30 \overline{) 8702}$$

$$27 \overline{) 8590}$$

Divide and write remainder.

Divide and write remainder.

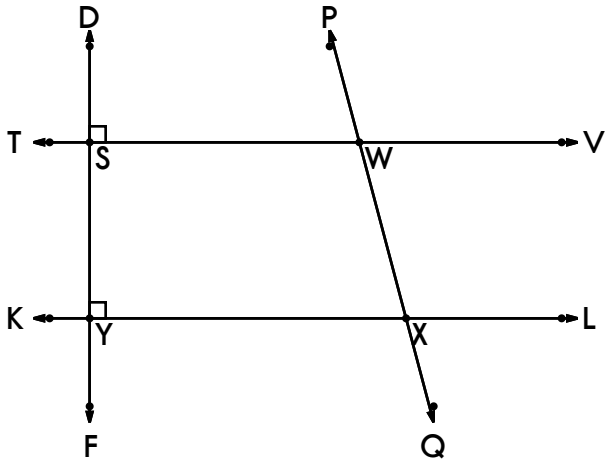
$$\begin{array}{r} 813 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 170 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 19 \\ \hline \end{array}$$

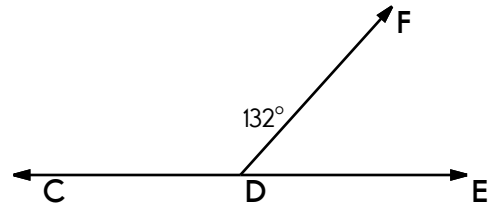


Name: \_\_\_\_\_

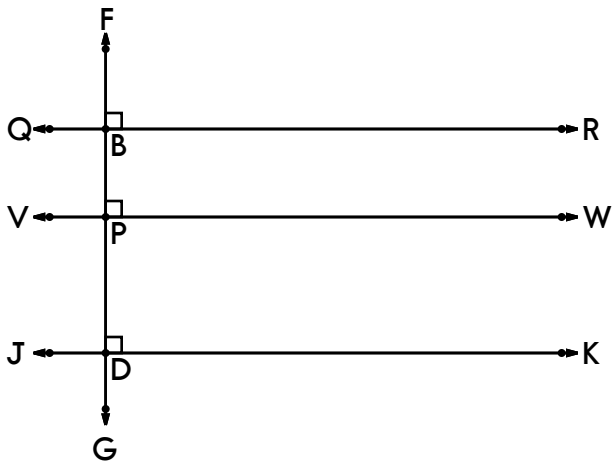


Name 3 angles.

Name 2 pairs of intersecting lines.



What kind of angle is  $\angle FDE$ ?



Name 2 parallel lines (or write none).

Name 2 perpendicular lines (or write none).

Give another name for angle  $\angle JDF$ .

Sketch 2 lines  $\overleftrightarrow{FG}$  and  $\overleftrightarrow{WX}$  that are parallel.

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

The workers at Rain Gear sewed pieces of fabric together to make umbrellas. Each umbrella has 12 sides, and each side is 5 inches long. What is the perimeter of an umbrella?

Jason has a box of peanuts. The box is 8 inches long, 5 inches wide, and 4 inches deep. About 4 peanuts will fit in each cubic inch of volume. About how many peanuts are in the box?

Of the 150 students at Marion School, about  $\frac{3}{8}$  of them have unique first names. What percent of them have unique first names?

Kevin has 32 living relatives. Of that number, 15 are more than 50 years old. What is the ratio of relatives over 50 to relatives 50 or younger?

It costs \$0.01 per hour to run a 100-watt light bulb. It costs \$0.015 per hour to run a small radio. How much more does it cost to run a radio for 13 hours than it costs to run a 100-watt light bulb for the same amount of time?

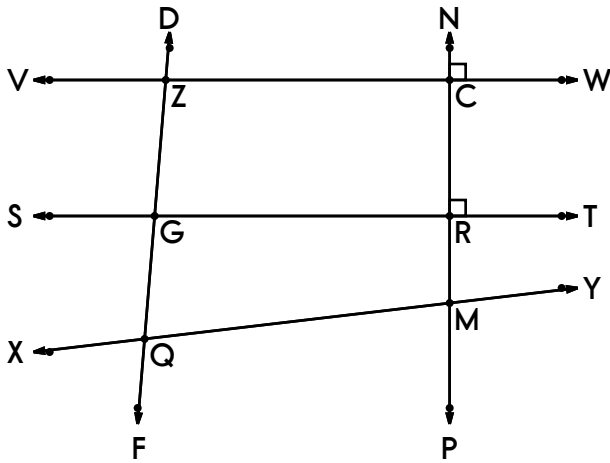
Girls' Day is held on the third day of the third month in Japan. Boys' Day is celebrated on the fifth day of the fifth month. This day is also called Children's Day. How many days after Girls' Day does Children's Day occur?

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

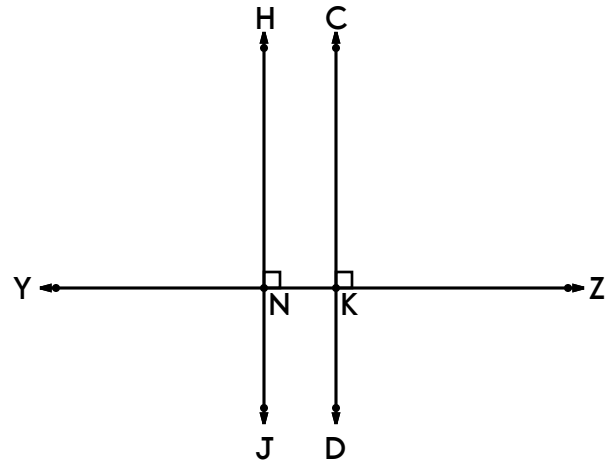
Is the greatest common factor of 4 and 8 smaller, equal to, or greater than the least common multiple of 4 and 8?

What is the greatest common factor of 12, 33, and 21?

What is the greatest common factor of 12 and 14?



How many different angles can you name that include point M.



Name 2 parallel lines (or write none).

Name 2 perpendicular lines (or write none).

Give another name for angle  $\angle NKD$ .

Use a protractor to draw a  $165^\circ$  angle.

Use a protractor to draw a  $65^\circ$  angle.

Sketch an acute angle named  $\angle ABC$ .

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

There are 12 gummies in each pack of Yummy Gummies.

How many gummies are there in 2 packs?

How many gummies are there in 9 packs?

How many gummies are there in 37 packs?

Circle the ratios that are equivalent to 3:5.

24:40

6:10

18:31

36:60

30:50

8:15

Circle the three ratios that are equivalent.

$\frac{8}{16}$

$\frac{12}{24}$

$\frac{7}{14}$

$\frac{1}{4}$

Use the numbers 3, 7, 9, 21, 27, and 63 to write 3 equivalent ratios.

\_\_\_\_\_ : \_\_\_\_\_ =

\_\_\_\_\_ : \_\_\_\_\_ =























\_\_\_\_\_ : \_\_\_\_\_

Emma drew a picture that was 7 inches long. Ava also drew a picture, but it was 21 inches long. How many times the length of Emma's picture is Ava's picture?

What is the ratio of Ava's picture to Emma's picture?

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


Puzzle:


	5		5		27
					45
					43
			5		37
					44
46	52	31	39	28	+


Work Area:

	5		5		27
					45
					43
			5		37
					44
46	52	31	39	28	+


The sum for each column and row is given.

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

Write as a decimal.

$$\frac{2}{10}$$

Use >, <, or = to complete.

$$221 \text{ \_\_\_ } 220.74$$

$$176.9 \text{ \_\_\_ } 177$$

$$22.21 \text{ \_\_\_ } 22.6$$

$$10.6 \text{ \_\_\_ } 10.60$$

$$21.22 \text{ \_\_\_ } 21.7$$

$$330 \text{ \_\_\_ } 326.8$$

$$470.6 \text{ \_\_\_ } 469$$

Write as a decimal.  
Fourteen thousandths

Name \_\_\_\_\_



Date \_\_\_\_\_

Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a circle. No stopping on an empty box.** Try to collect all the circles and finish your last line on the **E** circle. You can go through a circle more than once.

		●	ⓑ	●	●	●		
					●			
●	●	●			●	●		
				●				
						●	ⓔ	
				●	●			
			●		●			
●					●			

Didn't get them all? That's ok. This was hard.

I missed \_\_\_\_\_ circle(s).

# Subscribe to Get Answer Keys



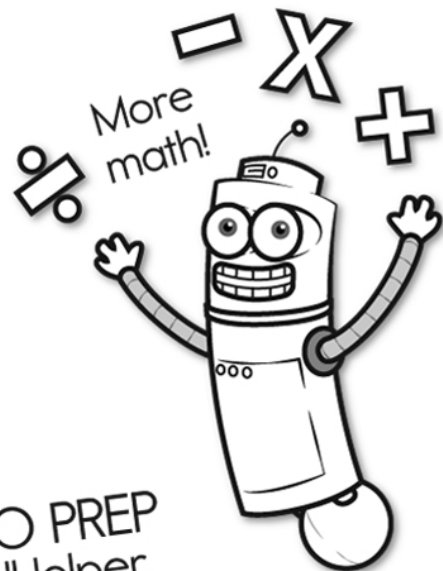
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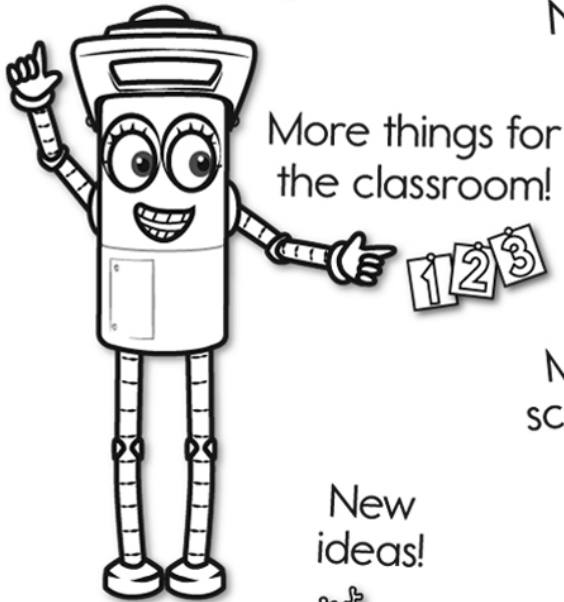


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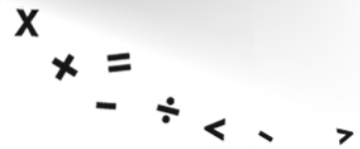
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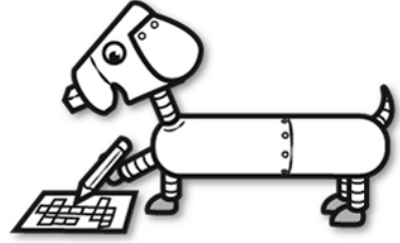
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New ideas!



More puzzles!





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