

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

24	-22		+16	+53		$-\frac{1}{8}$	
							+18
			-9	$-\frac{2}{8}$			
						$-5\frac{2}{6}$	
			$+\frac{7}{9}$	+13		-40	
	$-\frac{4}{6}$		$-8\frac{3}{6}$	-6		+37	
+44				$11\frac{5}{12}$			
				$+\frac{2}{8}$		$+\frac{7}{8}$	
-38		$+4\frac{3}{9}$		$+\frac{2}{9}$			$+1\frac{1}{6}$
							$82\frac{3}{4}$

Fill in the missing letters. Write io or ie.

impat _____nt	inscript _____n	angr _____r	ch _____f
subtract _____n	nonv _____lent	creat _____n	condit _____n

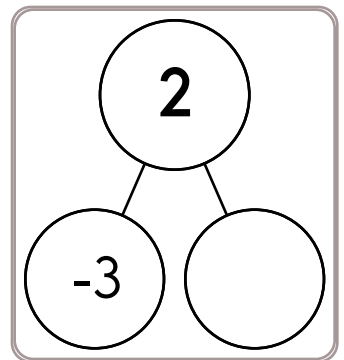
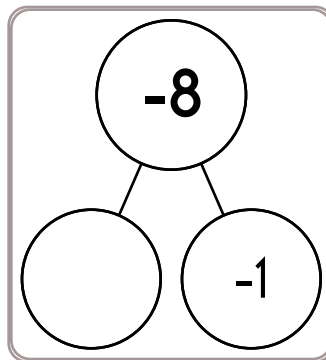
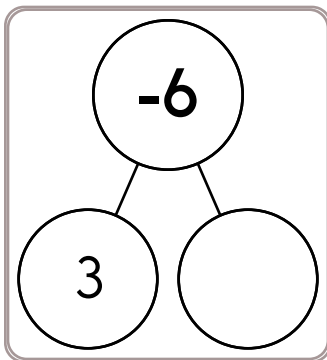
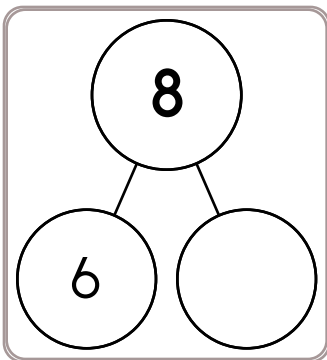
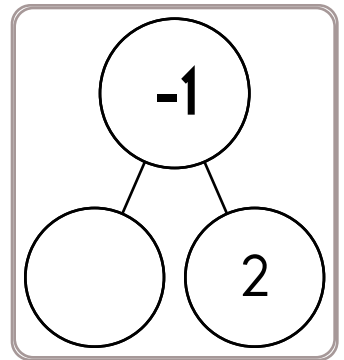
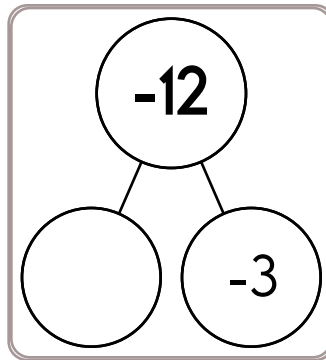
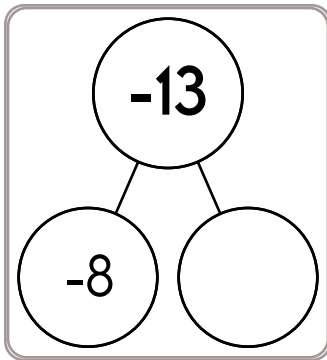
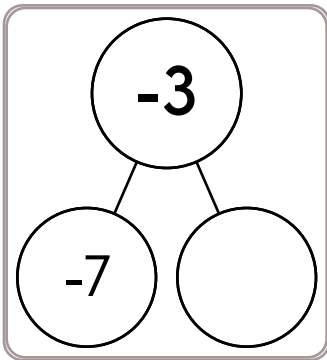
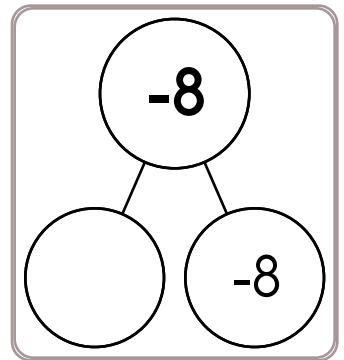
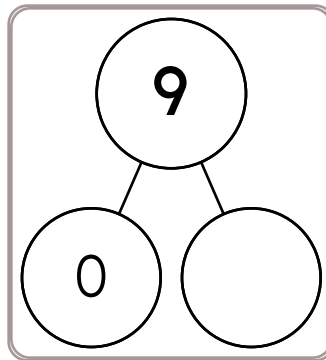
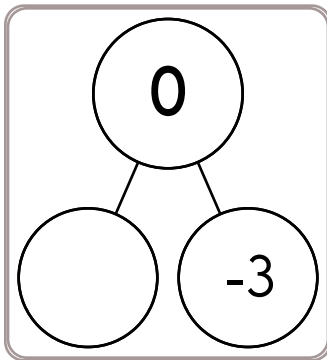
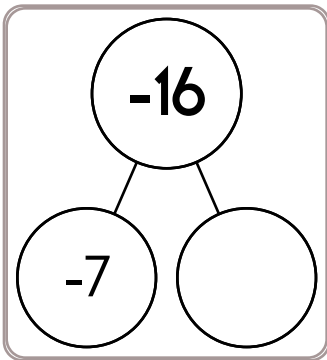
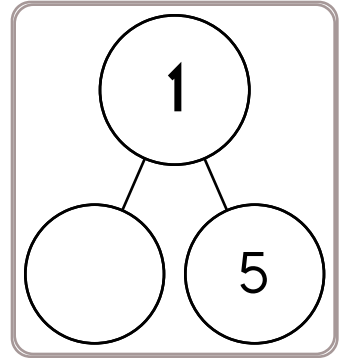
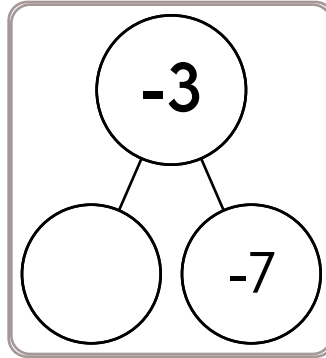
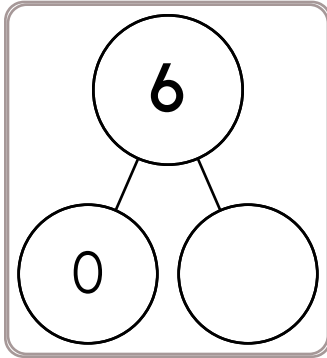
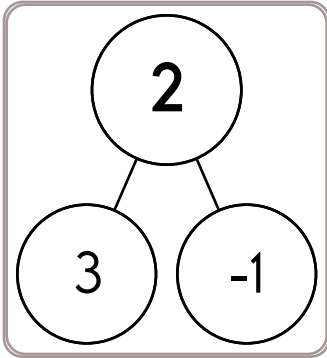
word root **inter** can mean **between or among** **interact, intermission, interrupt**



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

Get a fidget spinner! Spin it.

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



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

On Pick Up Some Litter Day,  $\frac{2}{5}$  of the fifth grade students helped clean up the playground. Of the students who helped,  $\frac{2}{3}$  worked for more than an hour. What part of the fifth grade students worked for more than an hour?

Maria bought some candy. It tasted just like black cow root beer floats! She had 30 pieces of candy. She gave 5 pieces of candy to each of 3 friends. She gave  $\frac{2}{5}$  of the rest of the candy to her sister. How many pieces of candy did she have left?

Put one line under the smallest number. Put two lines under the next smallest, and so on. The largest number should have 4 lines under it.

11.3

11.4

-6.7

-6.1

$\$97 - p = \$37$   
What is the value of p?

$8 \times 8 = 8^x$   
What is the value of x?

$y = x + 18$   
 $y = 24$   
What is the value of x?

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

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

# Mental Math



= Do it  
in your  
head!

imagine 9 in your head

double it

subtract 7

Write the tens digit.

\_\_\_\_\_ **A**

imagine 5 in your head

subtract 5

add 4

multiply 11

Write the ones digit.

\_\_\_\_\_ **B**

imagine 4 in your head

multiply 11

subtract 8

add 2

subtract 9

Write the even digit in your answer.

\_\_\_\_\_ **C**

imagine 7 in your head

multiply 9

subtract 7

add 4

Add the tens digit to the ones digit. Write the sum.

\_\_\_\_\_ **D**

What is the sum?

**A + B + C + D**

\_\_\_\_\_

Wow! Great job! That's the answer, but do you know how to SPELL the number?

\_\_\_\_\_ **t** \_\_\_\_\_ **e** \_\_\_\_\_

5 after 18 \_\_\_\_\_

3 before 15 \_\_\_\_\_

2 after 12 \_\_\_\_\_

9 after 19 \_\_\_\_\_

1 before 14 \_\_\_\_\_

4 after 11 \_\_\_\_\_

8 after 14 \_\_\_\_\_

4 before 16 \_\_\_\_\_

3 after 15 \_\_\_\_\_

1 after 17 \_\_\_\_\_

5 before 13 \_\_\_\_\_

6 after 13 \_\_\_\_\_

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

It was 9 degrees below zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?

$$4 - 1 + 11 \times 1$$

Yummy Donuts gave two dozen chocolate donuts and four dozen jelly donuts to the school. How many donuts did they give?

It's 8:00 a.m. and Sara is getting ready for soccer practice. If practice starts at 4:25 p.m., then how much longer until soccer starts?

Circle the three numbers whose product equals 360.

12    3    10  
9    4    5

Draw a number line with 0,  $\frac{1}{2}$ , and 1. Show where  $\frac{6}{8}$  would go. Is  $\frac{6}{8}$  closer to 0,  $\frac{1}{2}$ , or 1?

$t - 7 + t = 27$   
What is the value of  $t$ ?

What is the greatest common factor of the numbers 96 and 60?

What is the remainder of 79 divided by 15?

(1,024), (512), (256),  
(128), \_\_\_\_\_, (32),  
(16), (8), (4), (2)

$$\frac{1}{6} \times \frac{5}{8}$$

Circle the greatest amount:  
40%  
0.35  
 $\frac{4}{25}$

In what quadrant would you find the point (10, -12)?

Each side of a regular pentagon is 69.3 centimeters. What is the perimeter?

(0.4)(0.14)

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

4 ten thousands, 4 thousands, 1 hundred, 6 tens =

- A) 40641
- B) 40461
- C) 6144
- D) 44160

2 ten thousands, 2 thousands, 4 tens, 1 one =

- A) 22140
- B) 22041
- C) 12204
- D) 12240

Brad's room is seven hundred thirteen square feet. Which of the following is the correct measurement of Brad's room?

- A) 25 ft by 16 ft
- B) 28 ft by 29 ft
- C) 24 ft by 28 ft
- D) 23 ft by 31 ft

How many millimeters are in two hundred centimeters?

- A) 2,000,000
- B) 2,000
- C) 20

What number is missing from the following sequence?

84, 78, 72, 66, 60, \_\_\_\_\_, 48, 42

- A) 53
- B) 55
- C) 54
- D) None of the above

eight hundred eighteen =

- A) 818
- B) 881
- C) 1088
- D) 1880

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

A rectangular sign advertising the Life Evaluation Conference was put up near the conference hotel. It had a length of 28 feet and a perimeter of 110 feet. What was the sign's width?

Emily wanted to give her server a tip of 20%. She knew she could figure the tip by multiplying 0.2 times the cost of the meal. Her meal cost \$21.75. How much tip should she leave? (Round off your answer to the nearest cent.)

Kevin and his brother are newspaper carriers. Kevin's route is 3  $\frac{1}{2}$  miles long. His brother's route is 2  $\frac{5}{8}$  miles long. How much longer is Kevin's route than his brother's?

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

## Decimals Show Us...



## Place Value

Example:

	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
	TH	H	T	O	t	h	th
1,562.134 =	1	5	6	2	1	3	4
	(Whole)				(Parts of a Whole)		
	Moving Left Makes Them Larger				Moving Right Makes Them Smaller		
	←				→		

Fill in the missing numbers in the charts.

	TH	H	T	O	t	h	th
4.58 =					5	8	

	TH	H	T	O	t	h	th
2,138.256 =	2		3				6

Fill in the numbers in the charts.

	TH	H	T	O	t	h	th
879.301 =							

	TH	H	T	O	t	h	th
6,283.205 =							



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

Draw a line from START to END.

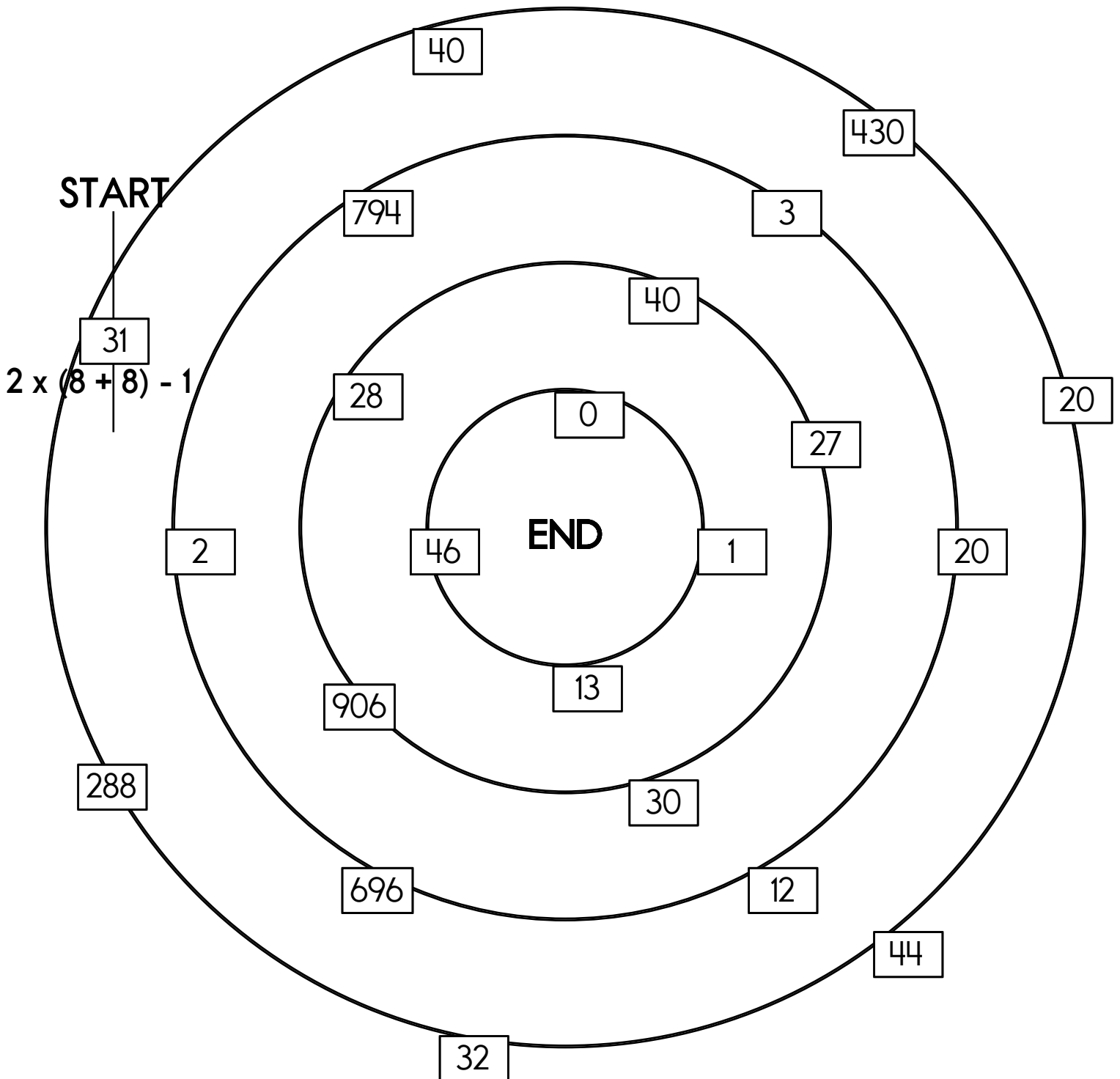
$$4 - 16 \div 8$$

$$1 - 1 \div 1$$

~~$$2 \times (8 + 8) - 1$$~~

$$6 + 10 \times 1 + 11$$

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



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

Draw a line from START to END.

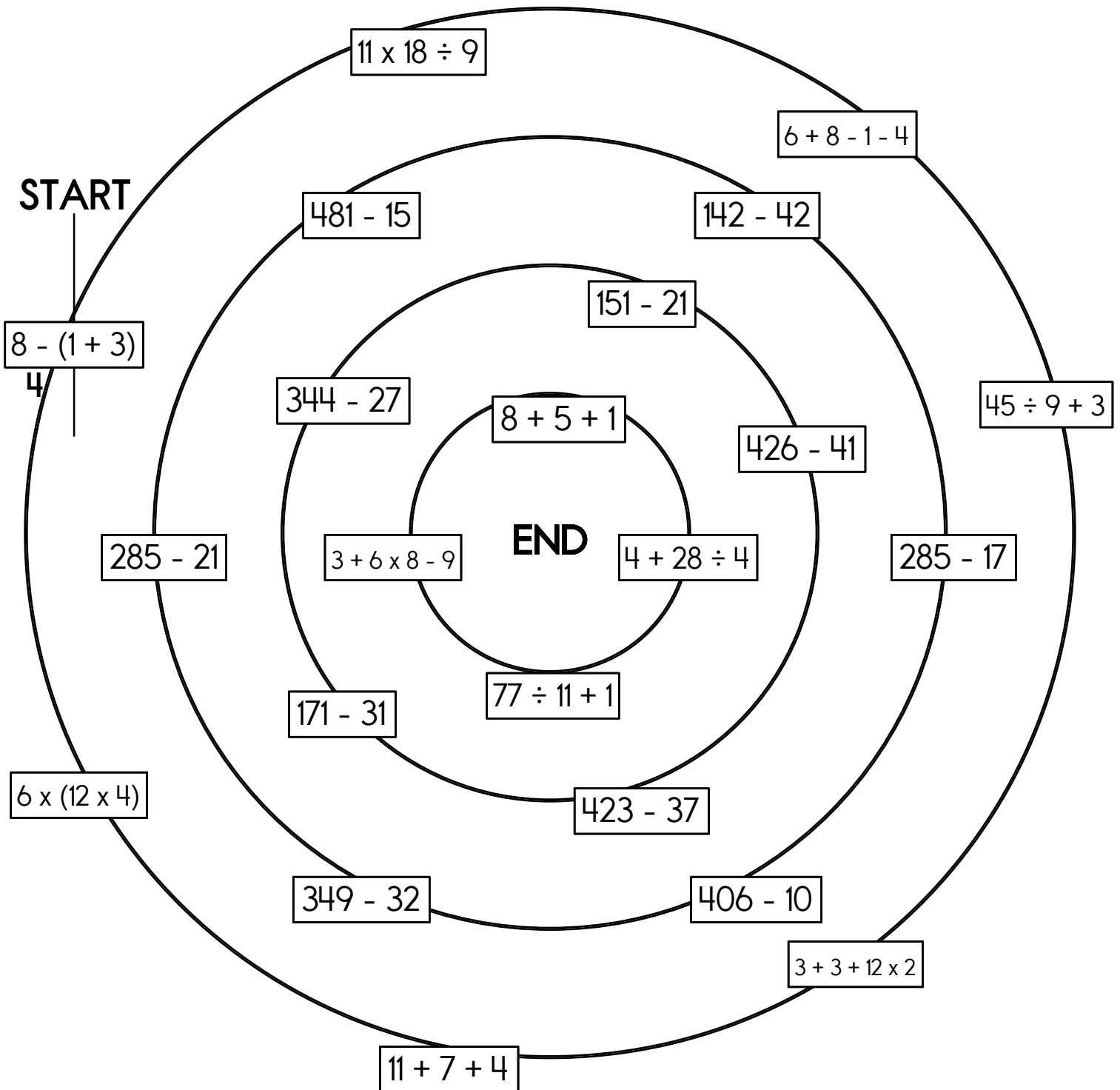
386

268

14

+

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



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

The Bigtown Middle School is on a field trip to a dinosaur museum. There are 50 sixth graders, 35 seventh graders, and 55 eighth graders. The guides want to divide the students into smaller groups of equal size without mixing grades together. What is the largest grouping that can be made so that all groups are of equal size?

Our teacher ordered 6 cheese pizzas and 4 pepperoni pizzas for The Great American Grump Out Day. The cheese pizzas were cut into 6 slices each, and the pepperoni pizzas were cut into 8 slices each. What fraction of the total slices was pepperoni? (Express in simplest terms.)

The (make-believe) country of Slowmonia is always super slow. But they are hard working, and after 19 years of research, the country of Slowmonia launched a rocket into space to land on Pluto. It is slow! It travels 2.934 kilometers in a month. How far will it travel in 68 years?

Emma rode her bike for 30 minutes. She went 5.95 miles. What is her speed in miles per hour?

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

Simplify.

$$\frac{5,400}{7,200} =$$

$$0.19 \cdot 7 =$$

$$12.2042 \times 10^4 =$$

Rewrite as an algebraic expression or equation.

Add 21 to the product of 12 and  $v$

$$(10 + 14) + 8 = 2(v + 13)$$

What is the value of  $v$ ?

Rewrite  $\frac{8}{25}$  as a decimal.

$$\frac{5}{8} \div \frac{7}{24} =$$

$$4 + 12 \cdot 4 + 7$$

What is the remainder of 55 divided by 6?

$$|-15| - y = 7$$

$$y =$$

Simplify.

$$\frac{150}{350} =$$

Use  $>$ ,  $<$ , or  $=$  to complete.

$$\frac{1}{6} \text{ — } 19\%$$

$$29\% \text{ — } \frac{3}{12}$$

$$\frac{1}{2} \text{ — } 50\%$$

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

Write as a fraction in simplest form.

$$\frac{2}{3} + \frac{1}{10} + \frac{1}{2} =$$

$$\frac{1}{7} + \frac{3}{4} + \frac{11}{14} =$$

$$\frac{1}{8} + \frac{2}{3} + \frac{5}{6} =$$

11, 13, 15, 17, 19, 21,  
\_\_\_\_\_, 25, 27

What is the area of a  
rectangle with sides 3 cm  
and 6 cm?

A toy car can go 4 mph.  
How long would it take to  
go 13 miles?

It was 4 degrees above  
zero in the morning. By  
afternoon the temperature  
rose 19 degrees. How  
warm was it?

How many minutes is it  
from 6:00 a.m. to 11:40 a.m.?

The perimeter of a  
rectangle is 16 cm. The  
longer side is 6 cm. How  
long is the shorter side?

Maria rolls a die. What is the  
chance of her rolling a 1?  
\_\_\_\_\_

$$895 - 881 = \underline{\hspace{2cm}}$$

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

In each group, use 4 of the numbers to make a proportion.

48

45

2

24

4

19

112

20

70

25

10

40

Write the reciprocal.

7

Write the reciprocal.

 $\frac{15}{2}$ 

Write the reciprocal.

 $\frac{6}{5}$  $6 - 9 \div 9$ How many centimeters in  
580.4 meters?

What is 50% of 1,704?

 $24 \div 2 =$  \_\_\_\_\_Write 67,050 in words.  
\_\_\_\_\_

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

Kevin collects aluminum cans and takes them to the recycling center every week. He put recycling boxes in all the classrooms, the cafeteria, and the teachers' lounge. He put a sign on each box asking people not to put anything but aluminum cans in them. Every week, though, Kevin finds objects other than aluminum cans in the recycling boxes. He estimates that twenty percent of the weight of the material in the boxes is non-recyclable junk. The total weight of all the items collected in the recycling boxes this week was one hundred sixty-six pounds. What was the weight of the aluminum cans, rounded to the nearest tenth pound?

If you have three 5 in by 5 in x 5 in aluminum cubes and superglue them together in a row, what is the surface area of the resulting shape made by the three cubes?

You are playing the "shell" game. In this game, there is an object (let's say a coin) hidden under one of five cups, and you have to try and guess which cup it is under. Assuming the game is fair and there are five cups, what is the probability you will guess correctly on the first try?

Proteins are made from linear sequences of amino acids. How many different proteins could be made from the amino acids phenylalanine, glutamic acid, and lysine?

Feldspar is a common mineral on Earth. By some estimates, feldspar makes up three-fifths of the mineral mass in the crust. Convert this fraction to a percent.

Alex had two out of six of the 18 items required to start the school year. What fraction of the number of items was he lacking?

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

241 is how much more than  
822?

$$\begin{array}{r} 218 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 864,981 \\ - 700,009 \\ \hline \end{array}$$

$$8 \overline{) 32}$$

Divide and write remainder.

$$77 \overline{) 154}$$

Divide and write remainder.

$$2 \overline{) 266}$$

Divide and write remainder.

$$4 \overline{) 5744}$$

Divide and write remainder.

$$38 \overline{) 237}$$

Divide and write remainder.

$$\begin{array}{r} 98 \\ \times 9 \\ \hline \end{array}$$



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

$$\begin{array}{r} 276 \\ - 80 \\ \hline \end{array}$$

$$\begin{array}{r} 6,417 \\ - 1,072 \\ \hline \end{array}$$

$$\begin{array}{r} 7,230,618 \\ - 51,893 \\ \hline \end{array}$$

$$16 + \frac{8}{11} + \frac{1}{3} =$$

Write the reciprocal.  
8

Reduce  $\frac{8}{34}$  to its lowest terms.

Change  $\frac{6}{30}$  to a decimal.

Change  $\frac{68}{100}$  to a percent.

Change  $\frac{1}{5}$  to a decimal.

Find 70% of 190.

Find 44% of 153.

Find 5% of 300.

75 is what percent of 250?

Change 6% to a decimal and a fraction expressed in its lowest terms.

90 is what percent of 180?

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: 15.6, 29.3, or 16.5. The other three numbers have to all be DIFFERENT and must be from these: 4.1, 9.5, 3.2, 8.2, 5.5, 2.8, or 6.9.

	8.2			5.5				
		even			odd			
15.6	<b>36.1</b>	2.8	<b>43.1</b>	29.3	<b>47.1</b>		<b>33.4</b>	9.5
			greater than 15.6	either 2.8 or 29.3				
	9.5		6.9					
				odd		greater than 3.2		
	<b>34.7</b>		<b>30.8</b>		<b>47.1</b>		<b>33.4</b>	2.8
		odd	either 2.8 or 8.2		odd			
		even	less than 16.5	greater than 4.1	either 3.2 or 9.5			
6.9	<b>43.5</b>		<b>35.2</b>		<b>43.1</b>		<b>32.9</b>	
		odd	less than 15.6	greater than 2.8				even
		odd	odd	either 8.2 or 2.8	less than 3.2			
			<b>37.4</b>		<b>28.9</b>		<b>37</b>	
		either 8.2 or 3.2	greater than 6.9	even	less than 29.3			
		even	either 15.6 or 5.5	either 2.8 or 5.5	either 3.2 or 9.5			
	<b>47.2</b>		<b>25.7</b>					
		less than 4.1	less than 4.1		odd			
		odd	either 4.1 or 29.3			even		

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

$$3m = 18$$

$$\frac{N}{4} = 12$$

$$\frac{90}{N} = 9$$

Sketch an acute angle  
named  $\angle GHI$ .

Sketch an obtuse angle  
named  $\angle ABC$ .

What kind of angle has  
a measure of between  
 $0^\circ$  and  $90^\circ$ ?

$$8 - \frac{1}{2} + \frac{7}{8} =$$

$$8 + \frac{7}{10} + \frac{1}{2} =$$

Reduce  $\frac{16}{34}$  to its lowest  
terms.

Write as a decimal.

$$\frac{9}{10}$$

Write as a decimal.  
Three tenths

Write as a decimal.

$$10 \frac{7}{100}$$

On a number line, what is  
the number that is 5 to the  
left of 3?

$$5 - 12 =$$

Rewrite  $18 + -5$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

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

What is the greatest common factor of 4 and 12?

What is the greatest common factor of 9, 33, and 45?

$$y - 7 = 7$$

Change  $\frac{3}{8}$  to a decimal.

$$\begin{array}{r} 2.3 \\ \times 5 \\ \hline \end{array}$$

Change  $\frac{2}{4}$  to a decimal.

What is the sum of 6.7 and 7.4?

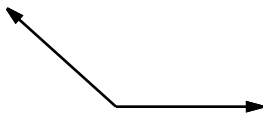
$$\begin{array}{r} 16.17 \\ - 10.13 \\ \hline \end{array}$$

$$\begin{array}{r} 0.4 \\ - 0.28 \\ \hline \end{array}$$

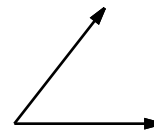
$$\begin{array}{r} 975,160 \\ - 366,157 \\ \hline \end{array}$$

What number is 299 less than 495?

Find the sum of 23 and 51.



What kind of angle is this?



What kind of angle is this?

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

$85\frac{1}{3}$	+2			$+\frac{5}{6}$		$+\frac{1}{3}$		-33
		-35		-16				
								$-7\frac{1}{10}$
		+12		+47				+5
				$5\frac{11}{15}$				
$+4\frac{2}{6}$		$+\frac{4}{10}$		$-\frac{1}{6}$		+36		$+\frac{5}{6}$
				$+\frac{5}{10}$		+52		
$-9\frac{1}{3}$		-57		+3		$+6\frac{2}{6}$		+15
								$112\frac{29}{30}$

$3 \times 10 = \underline{\hspace{2cm}}$

Circle the addition property  
for  $24 + 121 = 121 + 24$ .

associative property  
commutative property

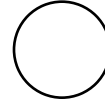
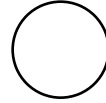
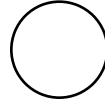
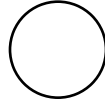
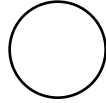
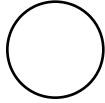
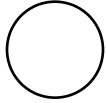
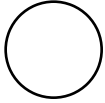
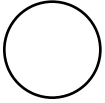
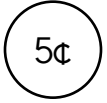
$6 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

word root **cal** can mean **glow or heat****calorie, calorimeter**

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

Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Max has \$30.14. He has 2 bills and 10 coins. How?

Maria has \$32.11. She has 4 bills and 2 coins. How?

Gavin has \$6.14. He has 2 bills and 17 coins. How?

Emily has \$11.17. She has 2 bills and 18 coins. How?

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

Draw a line to match each problem with the same answer.

96% of 150 ● ●

31% of 200

100% of 138 ● ●

96% of 150

26% of 50 ● ●

82% of 50

50% of 98 ● ●

72% of 200

41% of 100 ● ●

40% of 155

50% of 68 ● ●

69% of 200

20% of 65 ● ●

90% of 160

28% of 175 ● ●

20% of 170

Write the ratio as a fraction in lowest terms.  
8 to 12

Change to a percent.  
0.02

1 is what % of 2?

Yummy Donuts gave three dozen chocolate donuts and six dozen jelly donuts to the school. How many donuts did they give?

84 divided by 7 equals

How many meters are there in 57 kilometers?

7, 7, 2, 2, 2, 7, 7, 7, 7,  
2, 2, 2, 7, 7, 7, 7, 7, 7,  
2, 2, 2, 7, \_\_\_\_\_, 7, 7,  
7, 7, 7

4, 0, 9, m, 4, 0, 9, m,  
4, \_\_\_\_\_, 9, m, 4, 0, 9

Round 78,539 to the nearest hundred.

word root **tropo** can mean **turn****trophy, phototropism**

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

Guess the number in your head. Keep guessing until your numbers are correct.  
Then write the correct answer!

$$\begin{array}{ccccccc} \text{Angry Face} & + & \text{Angry Face} & + & \text{Angry Face} & + & \text{Angry Face} & = & 56 \\ \text{Happy Face} & - & \text{Angry Face} & = & 5 \\ \text{Angry Face} & + & \text{Happy Face} & = & \underline{\hspace{2cm}} \end{array}$$

$$\begin{array}{ccc} \text{Angry Face} & = & \underline{\hspace{2cm}} \\ \text{Happy Face} & = & \underline{\hspace{2cm}} \end{array}$$

5 before 17 \_\_\_\_\_

6 after 11 \_\_\_\_\_

6 before 18 \_\_\_\_\_

3 before 19 \_\_\_\_\_

1 after 19 \_\_\_\_\_

9 before 15 \_\_\_\_\_

2 before 12 \_\_\_\_\_

8 after 14 \_\_\_\_\_

8 before 13 \_\_\_\_\_

1 before 11 \_\_\_\_\_

2 after 16 \_\_\_\_\_

7 before 16 \_\_\_\_\_

4 before 14 \_\_\_\_\_

9 after 12 \_\_\_\_\_

5 before 11 \_\_\_\_\_

2 before 86 \_\_\_\_\_

5 after 40 \_\_\_\_\_

9 before 60 \_\_\_\_\_

4 before 46 \_\_\_\_\_

3 after 42 \_\_\_\_\_

7 before 25 \_\_\_\_\_

8 before 78 \_\_\_\_\_

4 after 89 \_\_\_\_\_

3 before 56 \_\_\_\_\_

6 before 58 \_\_\_\_\_

7 after 15 \_\_\_\_\_

1 before 41 \_\_\_\_\_



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

Rose's family and friends held a picnic to celebrate the date that Hawaii became the 50th state. Her father bought 21 cases of potato chips for the picnic. If there were 20 bags in each case and each bag holds about 31 chips, about how many chips did he buy?

Dan the Dazzling did 3 magic shows in one week. The first one lasted  $1\frac{3}{4}$  hours, the second one lasted  $1\frac{2}{3}$  hours, and the third one lasted  $1\frac{3}{5}$  hours. How long did the magic shows last in all? (Write your answer as a mixed number in lowest terms.)

31, 45, 59, 73, 87, 101,  
115, 129, \_\_\_\_\_, 157

Round 15,507 to the nearest thousand.

How much time is it from 7:00 a.m. to 11:25 a.m.?

Rose bought a box of dog biscuits for her dog Rex. The box was 12 inches long, 8 inches wide, and 4 inches high. What is the surface area of the box?

Holly was bored. She asked her mother if she could make cookies. Her mother agreed, so Holly got busy. She made 2 dozen oatmeal cookies and 18 chocolate chip cookies. How many cookies did she make in all?

An image taken on February 21, 1994, by the Hubble Space Telescope shows Pluto and its moon, Charon. At the time, the planet was 4.4 billion kilometers (2.7 billion miles) from the Earth. Find a rational number between 4.4 billion and 4.3 billion.

How many centimeters in 8.5 meters?

$\frac{1}{3}$ , (1), (3), (9),  
\_\_\_\_\_, (81), (243),  
(729), (2,187)

Write the missing family fact.

$5 \times 14 = 70$   
 $70 \div 5 = 14$   
 $70 \div 14 = 5$

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

Amy ran at a steady pace of 4.3 miles per hour around the circular track behind her apartment. It took her 2.6 minutes to make one lap around the track. To the nearest hundredth of a mile, what was the diameter of the track?

Wendy built a new cabinet for one of her antique radios. The front of the cabinet is 8.6 inches wide and 12.5 inches high. If she doubles the length and width, what will the area be? Round your answer to the nearest hundredth.

Jack needs \$35.58 to buy flowers for his mother on Forget Me Not Day. He has \$10.17. If he saves \$3.75 each week, how many weeks will it take him to save enough money to buy the flowers?

How much money is 1 quarter, 1 dime, 1 nickel, and 3 pennies?

It was 3 degrees above zero in the morning. By afternoon the temperature rose 20 degrees. How warm was it?

Estimate quickly the difference.  
6,360 - 1,260

According to the Center for Disease Control, there were 9862 cases of West Nile disease in the United States in 2003. Of these, 62% were West Nile fever. How many cases of West Nile Fever were reported to the CDC in 2003?

Justin reads very fast. Sometimes he isn't sure what he has read, he reads so fast. He can read 6.6 pages in 0.2 hours. How many pages can he read in 3 hours?

Jessica used a rectangular glass container to make a terrarium on Quiet Day. The container is 4 feet x 1.2 feet x  $\frac{3}{8}$  feet. She will fill  $\frac{1}{4}$  of it with dirt. How many cubic feet of dirt will she need?

$$1 \text{ km} = 1,000 \text{ m}$$

$$28 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$3 \times 5 =$$

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

The value of N is 11. What is the value of each of these expressions?

$$N + 237$$

$$N + N$$

$$N \times N - N$$

$$N + N \times N$$

6 is 10 times greater than 0.6

900 is \_\_\_\_\_ times \_\_\_\_\_ than 0.00009

0.000083 is \_\_\_\_\_ times \_\_\_\_\_ than 830,000

0.00074 is \_\_\_\_\_ times \_\_\_\_\_ than 74

490 is \_\_\_\_\_ times \_\_\_\_\_ than 0.49

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

Write the reciprocal.

$$\frac{14}{19}$$

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

$$19 - \frac{1}{3} - \frac{5}{12} =$$

$$17 + \frac{1}{6} - \frac{2}{7} =$$

Write the reciprocal.

$$\frac{1}{2}$$

Write the reciprocal.

$$\frac{11}{21}$$

Reduce  $\frac{2}{34}$  to its lowest terms.

$$31 - \frac{2}{5} =$$

Write the reciprocal.

$$\frac{6}{8}$$

$$\frac{1}{4} \div \frac{1}{2} =$$

$$\frac{1}{12} \div \frac{3}{4} =$$

$$\frac{5}{7} \times 2\frac{5}{9} =$$

Reduce  $\frac{21}{57}$  to its lowest terms.

$$11 - \frac{2}{3} - \frac{8}{9} =$$

$$18 + \frac{1}{5} - \frac{3}{4} =$$

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

Fill in the blanks with  $>$ ,  $=$ , or the  $<$  sign.

$$-35 \text{ \_\_\_\_\_ } 7$$

$$-25 \text{ \_\_\_\_\_ } -5$$

$$1,300,000 \text{ \_\_\_\_\_ } -3,800$$

$$-66 \text{ \_\_\_\_\_ } -11$$

$$\begin{array}{r} 78 \\ \times 15 \\ \hline \end{array}$$

Multiply 20 and 8.

$$\begin{array}{r} 65 \\ \times 54 \\ \hline \end{array}$$

The perimeter of a rectangle is 26 cm. The longer side is 9 cm. How long is the shorter side?

$$(343), \text{ \_\_\_\_\_ }, (7),$$

$$(1), \frac{1}{7}, \frac{1}{49}, \frac{1}{343}, \frac{1}{2401},$$

$$\frac{1}{16807}$$

$$7 \div \frac{1}{2}$$

How many yards are in 15 feet?

\_\_\_\_\_ yards

$$5 \times 4 = \text{ \_\_\_\_\_ }$$

$$45 \div 9 =$$

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

In art class the teacher asked the class to make a rectangle.

"How big?" asked Megan.

Mrs. White is not just the art teacher, but she is also the math teacher. She loves to talk numbers! "Well," she started. "I don't want to give you the exact size, but the ratio of the height to width of your drawing should be 4 to 5. And please don't do 4 inches to 5 inches. I've already done that!"

Megan wants to draw the rectangle. She wants to use as much of her  $18\frac{1}{2}$  by 4 paper as possible. What size should she draw the rectangle?

How many centimeters in 7.4 meters?

$$2 \times 11 - 6 - 1$$

Write the missing family fact.

$$120 \div 15 = 8$$

$$120 \div 8 = 15$$

$$15 \times 8 = 120$$

How much time is it from 6:00 a.m. to 10:55 a.m.?

What is the area of a rectangle with sides 2 cm and 10 cm?

It was 4 degrees above zero in the morning. By afternoon the temperature rose 17 degrees. How warm was it?

$$36,437 + 25,555 = \underline{\hspace{2cm}}$$

$$10 \times 8 = \underline{\hspace{2cm}}$$



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="margin-bottom: 5px;">2   60   120</div> <div style="margin-bottom: 5px;">5   30   60</div> <div style="margin-bottom: 5px;">2   6   12</div> <div style="margin-bottom: 5px;">3   3   6</div> <div style="margin-bottom: 5px;">1   1   2</div> <p>GCF: <math>2 \times 5 \times 2 \times 3 = 60</math></p>	<div style="margin-bottom: 5px;">2   132   144</div> <div style="margin-bottom: 5px;">2   66   72</div> <div style="margin-bottom: 5px;">3   33   36</div> <p>GCF: _____</p>
---	--

<div style="margin-bottom: 5px;">2   288   264</div> <p>GCF: _____</p>	<div style="margin-bottom: 5px;">3   60   72</div> <p>GCF: _____</p>
--	--

<div style="margin-bottom: 5px;">210   90</div> <p>GCF: _____</p>	<div style="margin-bottom: 5px;">130   150</div> <p>GCF: _____</p>
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Name: \_\_\_\_\_

Spin again.

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

Find the GCF using the Birthday Cake method.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">2</td> <td style="padding: 5px;">10 20 24</td> </tr> <tr> <td></td> <td style="padding: 5px;">5 10 12</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: <math>2 = 2</math></td> </tr> </table>	2	10 20 24		5 10 12	GCF: $2 = 2$		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">3</td> <td style="padding: 5px;">33 15 36</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>	3	33 15 36	GCF: _____	
2	10 20 24										
	5 10 12										
GCF: $2 = 2$											
3	33 15 36										
GCF: _____											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">2</td> <td style="padding: 5px;">96 176 128</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>	2	96 176 128	GCF: _____		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">4</td> <td style="padding: 5px;">100 220 140</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>	4	100 220 140	GCF: _____			
2	96 176 128										
GCF: _____											
4	100 220 140										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="padding: 5px;">24 18 40</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>		24 18 40	GCF: _____		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="padding: 5px;">30 48 39</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>		30 48 39	GCF: _____			
	24 18 40										
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	30 48 39										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="padding: 5px;">216 288 720</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>		216 288 720	GCF: _____		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="padding: 5px;">132 120 96</td> </tr> <tr> <td colspan="2" style="padding: 5px;">GCF: _____</td> </tr> </table>		132 120 96	GCF: _____			
	216 288 720										
GCF: _____											
	132 120 96										
GCF: _____											





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

Get a fidget spinner! Spin it.

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

E, J, O, \_\_\_\_\_, Y

How many meters are there in 14 kilometers?

What is 50% of 1,594?

 $5\frac{2}{3}$ ,  $5\frac{1}{3}$ , 5,  
\_\_\_\_\_,  $4\frac{1}{3}$ , 4,  $3\frac{2}{3}$ ,  
 $3\frac{1}{3}$ , 3,  $2\frac{2}{3}$ ,  $2\frac{1}{3}$ , 2,  
 $1\frac{2}{3}$ ,  $1\frac{1}{3}$ , 1,  $\frac{2}{3}$ ,  $\frac{1}{3}$ 

How many minutes is it from 9:00 a.m. to 11:45 a.m.?

R, J, Q, I, P, H, O, G,  
\_\_\_\_\_, F, M, E, L, D $(6 + 5 + 12) =$ 

What is the remainder of 71 divided by 15?

Simplify.

$$\frac{14}{21} =$$

What is the remainder of 19 divided by 5?

$$(8 + 13) + 7 = 2(v + 10)$$

What is the value of v?

$$(0.7)(0.11)$$



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

Spin again.

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

Estimate quickly the difference.  
 $5,860 - 2,300$

It was 9 degrees below zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?

Round 9,405 to the nearest thousand.

$$3 \times 5 \div 1$$

A rectangle is 53 cm on one side and 12 cm on another side. What is the perimeter?

3, \_\_, \_\_\_\_, \_\_, 435

The area of a rectangle is  $22 \text{ cm}^2$ . What could the length of the 4 sides be?

$y = x + 13$   
 $y = 21$   
What is the value of  $x$ ?

$$12.8961 \times 10^4 =$$

Rewrite  $\frac{22}{25}$  as a decimal.

$$3 \times 44 \div 4 - 56 \div 7 =$$

In what quadrant would you find the point  $(-9, -19)$ ?

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

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

**A**

82	22	10
- 7	19	56
50	71	<b>94</b>
20	<b>86</b>	<b>8</b>

Find a subtraction fact.

**B**

<b>19</b>	30	34
- 55	46	20
92	67	86
28	22	29

Find a subtraction fact.

**C**

66	<b>23</b>	96
- 99	59	70
83	98	65
75	14	54

Find a subtraction fact.

Equations:

Write the equation facts you found.

<b>A</b>	<b>94</b>	-	<b>86</b>	=	<b>8</b>
<b>B</b>		-	<b>19</b>	=	
<b>C</b>		-	<b>23</b>	=	

$\begin{array}{r} 27 \\ + 47 \\ \hline \end{array}$	$3 \times 10 = \underline{\quad}$  $\begin{array}{r} 39 \\ - 18 \\ \hline \end{array}$	<p>Can 630 be evenly divided by 9? Circle: 630 is evenly divisible by 9 630 is NOT evenly divisible by 9</p>
---	--	--

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

Cross off the number that does NOT belong.

1, 1, 1, 1, 9, 9, 1, 1, 1, 1, 9, 9, 9, 1, 1,

1, 1, 9, 9, 9, 9, 1, 1, 1, 1, 9, 9, 9, 1

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

Cross off the number that does NOT belong.

268, 247, 226, 207, 188, 171, 154, 139, 125,

124, 111, 98, 87, 76, 67, 58, 51, 44

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



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

Get a fidget spinner! Spin it.

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

$2 \times (3 + 7)$

How much money is 1 quarter, 1 dime, 1 nickel, and 3 pennies?

Write  $\frac{3}{9}$  in lowest terms.

221, 189, 160, \_\_\_\_\_, 111,  
91, 74, 60, 49, 41, 36

Round the decimal 0.545 to the nearest hundredth.

How much time is it from 6:00 a.m. to 11:35 a.m.?

It was 9 degrees below zero in the morning. By afternoon the temperature rose 28 degrees. How warm was it?

A rectangle is 51 cm on one side and 14 cm on another side. What is the perimeter?

Know how many inches in a foot? Okay, smarty pants, how many inches in 5 feet?

The diameter of a circle is 998 cm. What is the radius of this circle?

How many minutes is it from 8:00 a.m. to 11:25 a.m.?

J, I, \_\_\_\_\_, J, N, K, P,  
L, R, M

144 divided by 12 equals

How many meters are there in 155 kilometers?

It was 92 degrees outside. What would the temperature be if it got 21 degrees colder?

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

Complete each pattern. Write what the rule is.

$$3\frac{2}{5}, 3\frac{1}{5}, 3, 2\frac{4}{5}, 2\frac{3}{5}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, 2, 1\frac{4}{5},$$

$$1\frac{3}{5}, 1\frac{2}{5}, 1\frac{1}{5}, 1, \frac{4}{5}, \frac{3}{5}, \frac{2}{5}, \frac{1}{5}$$

$$3\frac{3}{5}, 3\frac{2}{5}, 3\frac{1}{5}, 3, 2\frac{4}{5}, \underline{\hspace{1cm}}, 2\frac{2}{5}, 2\frac{1}{5},$$

$$2, 1\frac{4}{5}, 1\frac{3}{5}, 1\frac{2}{5}, 1\frac{1}{5}, 1, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$$

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

$$(1,310,720), (327,680), (81,920),$$

$$(20,480), (5,120), (1,280),$$

$$(320), \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$$

$$(7,812,500), (1,562,500), (312,500),$$

$$(62,500), (12,500), (2,500),$$

$$(500), (100), \underline{\hspace{1cm}}$$

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

Complete each pattern. Write what the rule is. HINT: The first two numbers in each pattern are random numbers.

2, 18, 20, 38, 58, 96, 154, 250, 404, 654, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6, 17, 23, 40, 63, 103, 166, 269, 435, 704, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Complete each pattern. Write what the rule is.

83.6	86.2	88.8
91.4	94	
99.2	101.8	
107		112.2

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

It has been an intense softball season. April, Rose, and Megan are friends, but they all are on different teams in the league. April's team has won 7 games and lost 7 games. Rose's team has won 9 games and lost 5 games. Megan's team has won 12 games and lost 2 games.

Which team has the best record?

Hannah and Jenna want to play Move Fast, their favorite board game. All you do is spin twice, take the sum of your two spins, and move. But if you get the same sum two times in a row, you go to the spot on the board labeled Thunderstorm. The spinner has the numbers 2, 4, 8, and 9 on it. How many different sums are possible?

Hannah got a sum of 10 on her first move. What is the chance that she will go to Thunderstorm on her second move?

Anna is playing a video game against Anne. The current score is 4,200 to 2,300. Anna is in the lead.

a. If the game is over and one of the players ended up with 2,700 and the other player has 4,600, can you tell who won?

b. If the game is over and one of the players ended up with 4,500 and the other player has 3,500, can you tell who won?

c. If the game is over and one of the players ended up with 4,100 and the other player has 5,600, can you tell who won?

Erin is trying to figure out how many different remainders she can get when she divides by 6. She started dividing 79 by 6, then 80 by 6, and so on. Show her how many different remainders can be made.

What would happen if you divide larger numbers like 790 by 6? Can you get different remainders?



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



$12 \times 7 =$

$10 \times 11 =$

$7 \times 12 =$

$2 \times 11 =$

$8 \times 9 =$

$4 \times 9 =$

$7 \times 6 =$

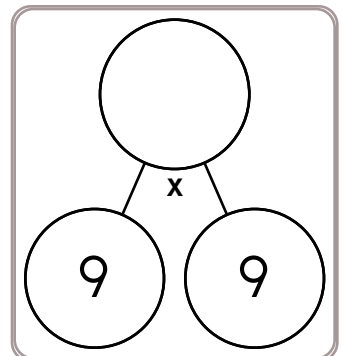
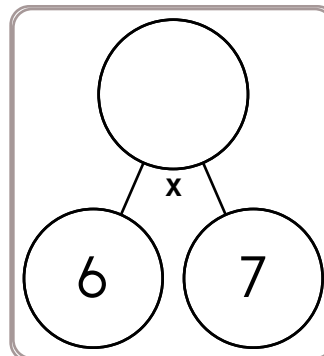
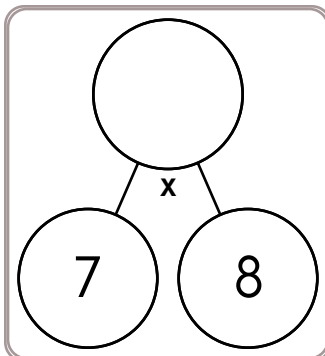
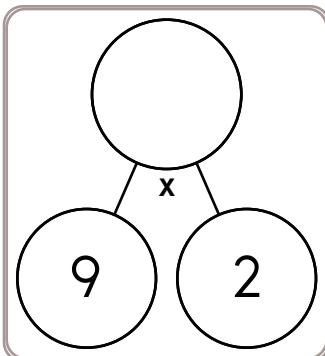
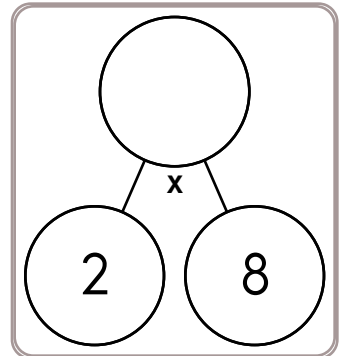
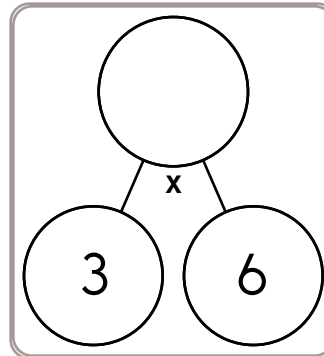
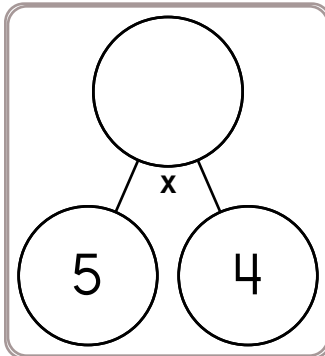
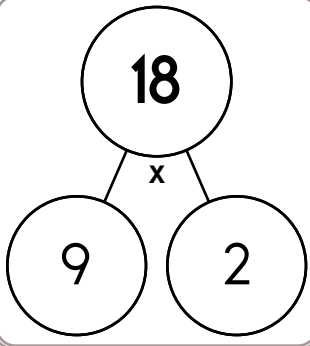
$9 \times 11 =$

$4 \times 6 =$

$8 \times 3 =$

$3 \times 10 =$

$12 \times 6 =$



$\_\_ \times 7 = 84$

$\_\_ \times 10 = 110$

$3 \times \_\_ = 6$

$11 \times \_\_ = 44$

$2 \times \_\_ = 24$

$\_\_ \times 12 = 36$

$\_\_ \times 3 = 6$

$7 \times \_\_ = 28$

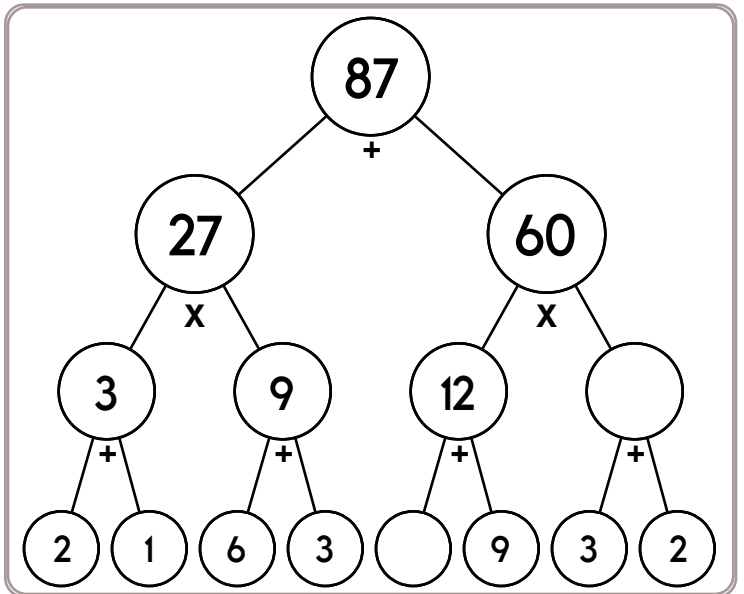
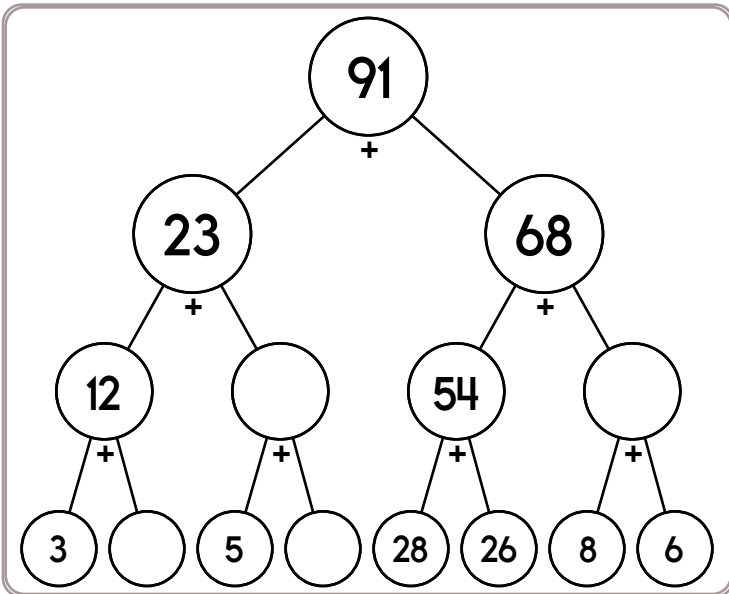
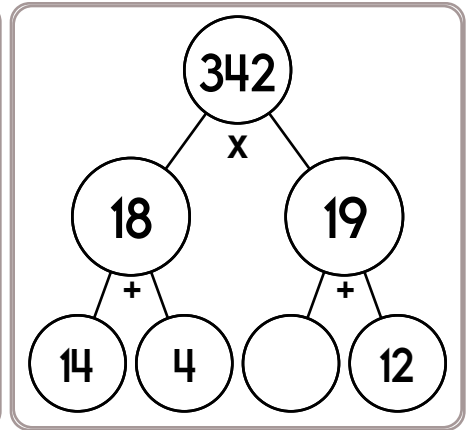
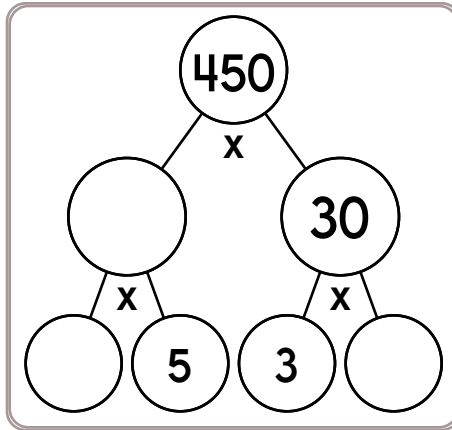
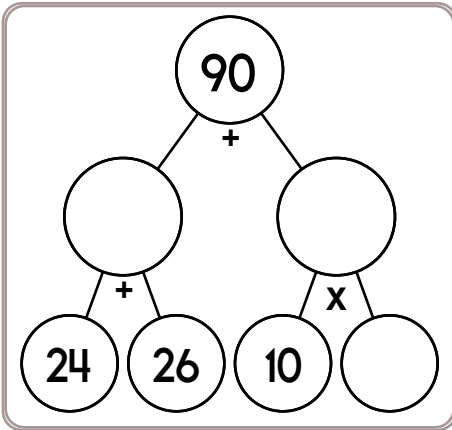
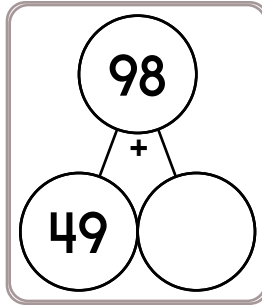
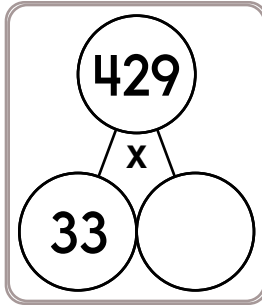
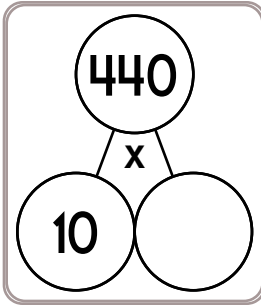
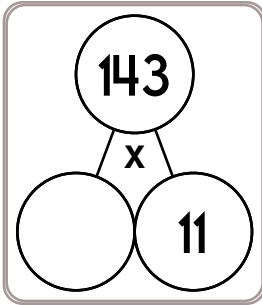
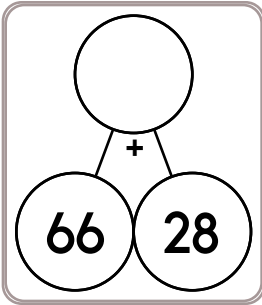
$\_\_ \times 10 = 40$

$4 \times \_\_ = 28$

$\_\_ \times 7 = 35$

$5 \times \_\_ = 30$

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



$9 - 2 = \underline{\quad}$

$9 + -2 = \underline{\quad}$

Rewrite  $11 + -5$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

$5 - 12 =$

word root **pugn** can mean **fight** **pugnacious, repugnant**

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

<p>Alex wants to make a pyramid to use in his display for Newspaper in Education Week. He is making the pyramid with triangles. Each triangle has a perimeter of 25 inches. Two sides of the pyramid are 8 inches and 9 inches. How long is the third side of the triangle?</p>	<p>It was such pandemonium! There were books stacked everywhere in the new bookstore. David finally found the book he wanted at the bottom of the stack. He gave the clerk a 20-dollar bill. If the price of the book was \$16.88, how much change did he get?</p>	<p>Alex bought a new car. He found out that insurance on the car would cost him \$250.36 for a year. If he wants to add collision insurance, it will cost an extra \$9.53 per month. What will the yearly cost for Alex's car be, if he adds collision insurance?</p>
<p>Megan has a recipe for making 10 cups of wild bird food. It calls for <math>1\frac{1}{4}</math> cups of rye seed. How much rye seed will she need to make 4 cups of wild bird food?</p>	<p>The latest science test in Ms. Floop's class produced the following results: 22% of the students received an A. It so happened that 11 students earned A's. How many students took Ms. Floop's most recent science test?</p>	<p>Jack washes his father's car every seven days. Eric washes his mother's car every two days. Both of them washed their cars on October 28. On what date will Jack and Eric both wash cars again? Make an organized list to solve the problem.</p>

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



$56 \div 8 =$

$8 \div 2 =$

$45 \div 5 =$

$6 \div 3 =$

$36 \div 6 =$

$56 \div 7 =$

$132 \div 11 =$

$48 \div 12 =$



$\_\_ - 37 = 20$

$\_\_ - 22 = 48$

$56 - \_\_ = 33$

$90 - \_\_ = 74$

$87 - \_\_ = 8$

$87 - \_\_ = 38$

$\_\_ - 71 = 27$

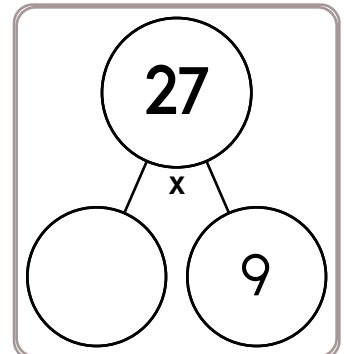
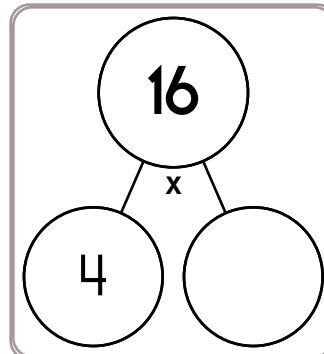
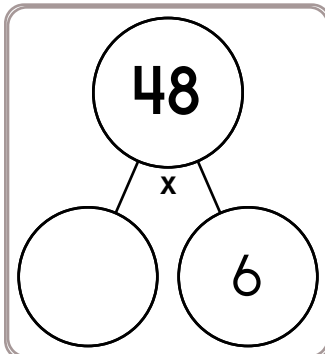
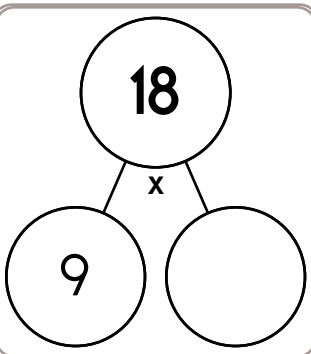
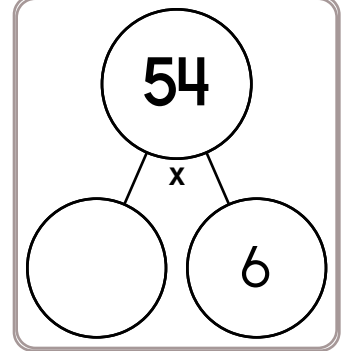
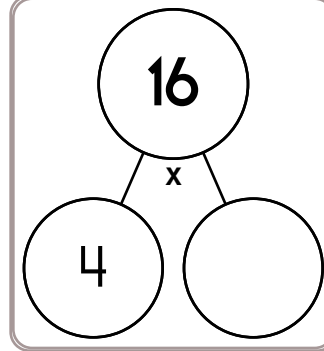
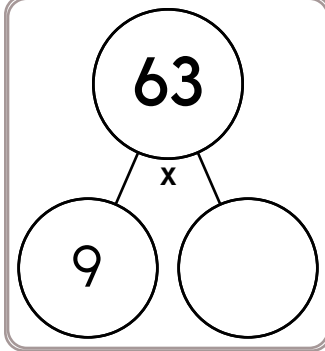
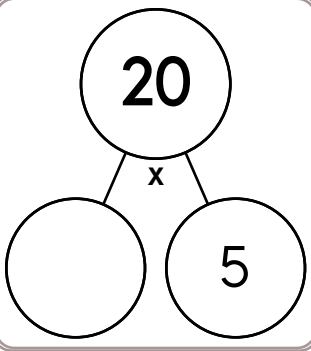
$\_\_ - 46 = 51$

$96 - \_\_ = 13$

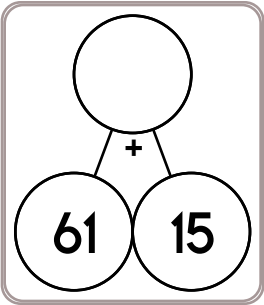
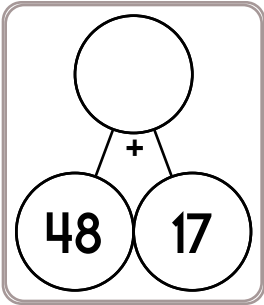
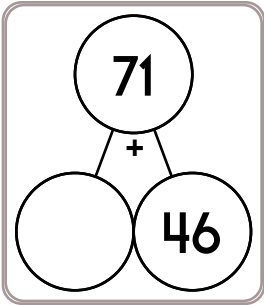
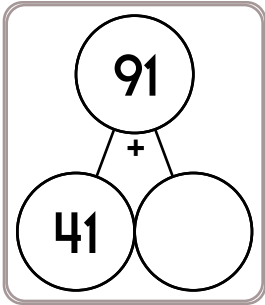
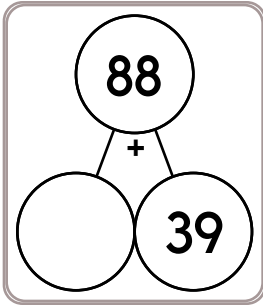
$85 - \_\_ = 41$

$\_\_ - 15 = 49$

$\_\_ - 46 = 5$



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



Simplify.

$$\frac{60}{90} =$$

30, 40, 50, 60, 70,

\_\_\_\_\_, 90, 100

$$19.3715 \times 10^2 =$$

$$5 + 5 \cdot 9 + 10$$

$$\frac{2}{15} \div \frac{2}{5} =$$

$$682 \div 10$$

40, \_\_\_\_\_, 80, 100, 120,  
140, 160, 180Rewrite as an algebraic  
expression or equation.Six thousand, five hundred  
seventy-six minus the  
product of  $m$  and 23.1.If  
 $10,000,000,000$   
 $= 10^x$ , then what is the  
value of  $x$ ?

$$8 \times (78 \div 6) - 24 \div 4 =$$

$$y = x + 15$$

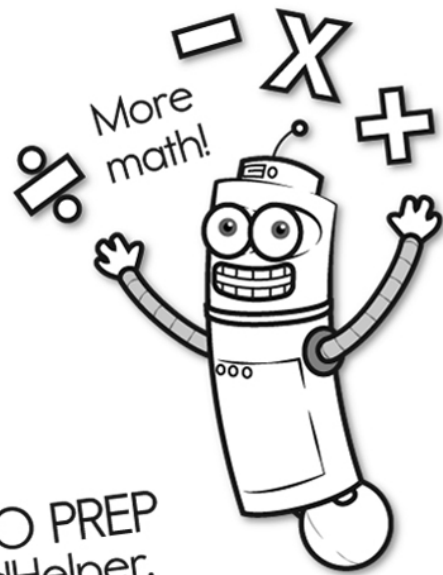
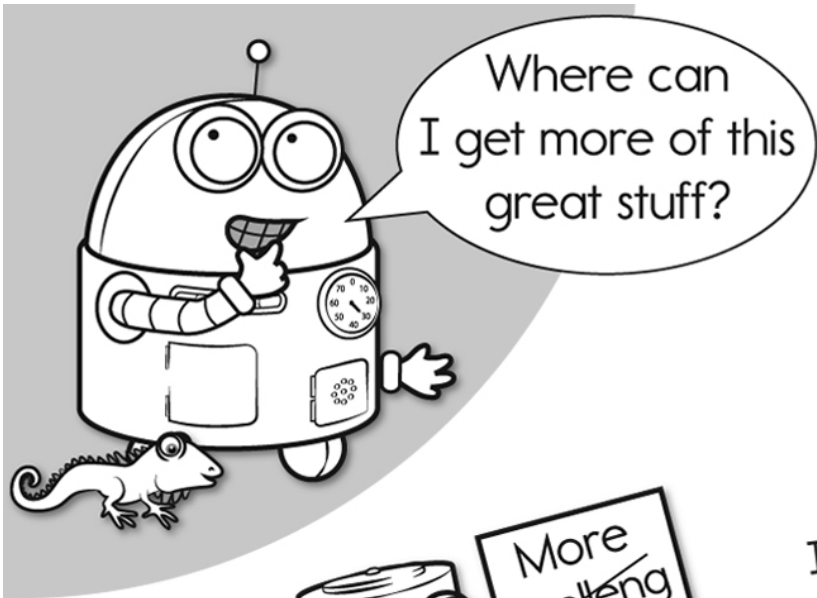
$$y = 26$$

What is the value of  $x$ ?

Simplify.

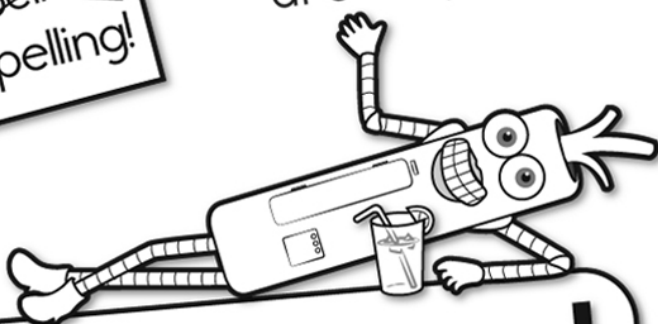
$$\frac{21}{42} =$$



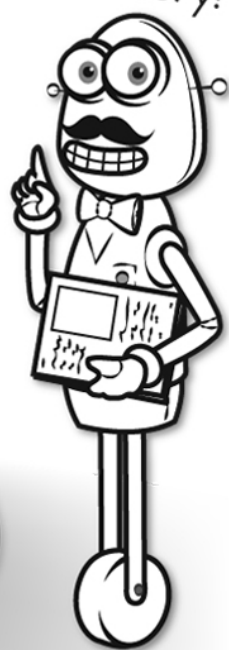


It's NO PREP at edHelper.

More history!



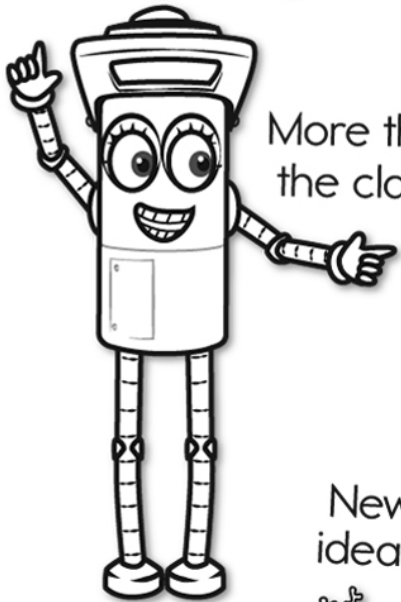
# edHelper.com!



New online math games!



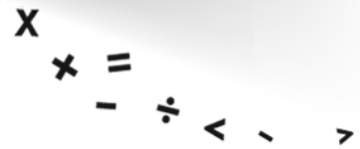
More things for the classroom!



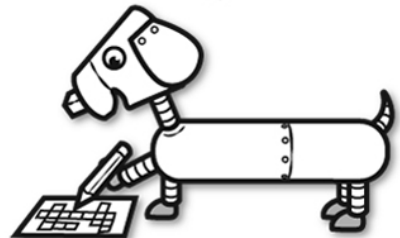
More science!



New ideas!



More puzzles!





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