

Name: _____

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

44% of 25 ●

● 88% of 75

31% of 200 ●

● 15% of 180

40% of 165 ●

● 80% of 35

35% of 140 ●

● 62% of 100

70% of 40 ●

● 22% of 50

90% of 30 ●

● 70% of 70

75% of 84 ●

● 35% of 180

100% of 33 ●

● 66% of 50

Reduce $\frac{8}{56}$ to its lowest terms.

$$\begin{array}{r} 4 \frac{1}{12} \\ - 1 \frac{3}{12} \\ \hline \end{array}$$

Write each as a decimal.

$$14 \frac{9}{10} =$$

$$8 \frac{36}{100} =$$

$$10 \frac{40}{100} =$$

$$14 \frac{88}{100} =$$

$$2 \frac{7}{10} =$$

$$9 \frac{54}{100} =$$

$$\begin{array}{r} 215 \\ + 33 \\ \hline \end{array}$$

Change $\frac{4}{10}$ to a percent.

$$\begin{array}{r} 497.815 \\ 846.2 \\ + 1.357 \\ \hline \end{array}$$

Name: _____

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

Make \$43.48 any way you want!

Make \$23.27 any way you want!

Make \$25.52 any way you want!

Make \$27.48 any way you want!

1 lb = 16 oz

10 lb = _____ oz

Megan rolls two dice. What is the chance of her rolling a 5 on one die and a 1 on the other die?

$14 \div 2 =$ _____

Name: _____

Find the missing numbers. These both have the same rule. What is the rule?

If

$$1, 6 = 7$$

$$2, 9 = 11$$

$$3, 12 = 15$$

$$4, 17 = 21$$

Then

$$5, 22 = ?$$

If

$$3, 3 = 6$$

$$4, 6 = 10$$

$$5, 8 = 13$$

$$6, 13 = 19$$

Then

$$7, 17 = ?$$

Complete each pattern. Write what the rule is.

$$6\frac{1}{3}, 6, 5\frac{2}{3}, 5\frac{1}{3}, 5, \underline{\hspace{2cm}}, 4\frac{1}{3}, 4, 3\frac{2}{3},$$

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

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

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

Name: _____

At the local convenience store, bubble gum outsells non-bubble gum by a four-to-one ratio. If the store sold 395 pieces of gum today, how many of them were pieces of non-bubble gum?

It was a close race for the pennant (division championship) in the baseball league this year. The Rattlers won. Each team is awarded a point for every game won, and the team with the most points is the winner of the pennant. The Rattlers won 63 games. The Tigers were -2 (two games behind), the Lizards were -4, and the Rollers were -15. What was the average number of games won by the teams that did not win the pennant?

Zeeka has invented a new space vehicle to go from his home planet of Zomba to his friend's planet of Oomba. It is a fun ride! It can fly at a speed of 780 mph. How far will it go in 15 minutes? Round your answer to the nearest mile.

$t - 5 + t = 37$
 What is the value of t ?

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

$82\% \quad \underline{\quad} \quad \frac{3}{12}$

$\frac{3}{8} \quad \underline{\quad} \quad 71\%$

$\frac{3}{8} \quad \underline{\quad} \quad 37\%$

$|-74| - |54| =$

Name: _____

Find the product of 2 and 32247.

$$6 \overline{) 68}$$

Divide and write remainder.

Divide and write remainder.

$$\frac{73}{7} =$$

Find the least common denominator.

$$\frac{3}{5} \text{ and } \frac{1}{10}$$

$$\begin{array}{r} 7 \\ - 5 \frac{4}{6} \\ \hline \end{array}$$

$$\frac{1}{3} \times 17 =$$

Change to decimals.

$$91\% = \underline{\hspace{2cm}}$$

$$4\% = \underline{\hspace{2cm}}$$

$$80\% = \underline{\hspace{2cm}}$$

$$12\% = \underline{\hspace{2cm}}$$

61 is what percent of 305?

Change to percents.

$$0.48 = \underline{\hspace{2cm}}$$

$$0.40 = \underline{\hspace{2cm}}$$

$$0.23 = \underline{\hspace{2cm}}$$

$$0.75 = \underline{\hspace{2cm}}$$

$$0.85 = \underline{\hspace{2cm}}$$

Name: _____

The mass of Rosa's notebook was 1 kilogram. She took out 339 grams of used paper. What was the mass of the notebook then?

Amy rolls a die. What is the chance of her rolling a 4?

Circle the digit in the hundredths place.

42.532

$$\begin{array}{r} 293 \\ + 456 \\ \hline \end{array}$$

$9 \times 10 =$ _____

17 cm = _____ mm

April rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being two?

$9,185 - 1,493 =$ _____

$7 \times 7 =$ _____

$$\begin{array}{r} 47 \\ - 18 \\ \hline \end{array}$$

$9 \times 2 =$ _____

How many millimeters are in 6 centimeters?

_____ millimeters

Name: _____

Sudoku Sums of 11

Each row, column, and box must have the numbers 1 through 9.
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:

8	3
---	---

$$\begin{array}{r} 46 \\ + 34 \\ \hline \end{array}$$

		1	8				2	
3						5		
		9		3	2			7
	1				6	8	9	
	4	8						
2					9			
		2				3	6	
	8				3	9		
				6	1	4		

$64 \div 8 = \underline{\hspace{2cm}}$

Circle the addition property for $57 + 174 = 174 + 57$.

- associative property
- commutative property

$$\begin{array}{r} 936 \\ - 456 \\ \hline \end{array}$$

Name: _____

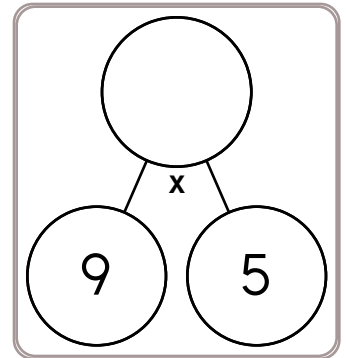
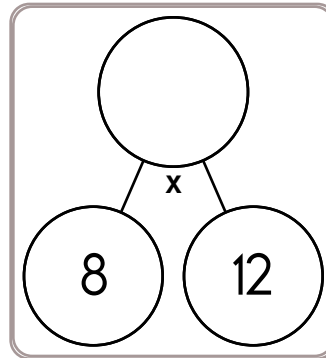
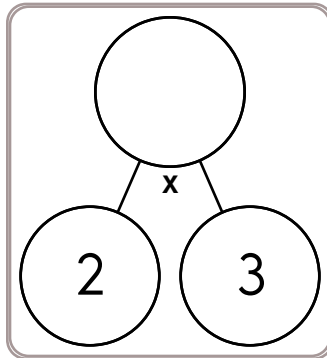
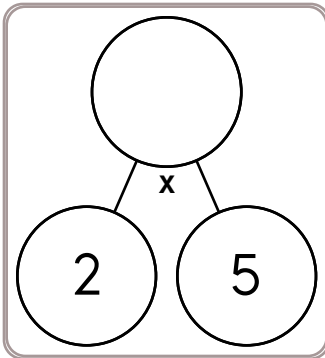
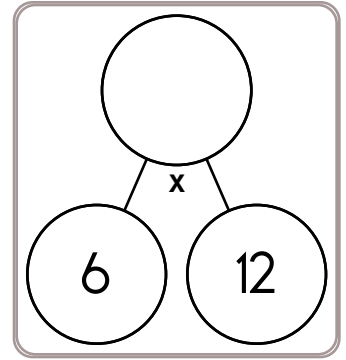
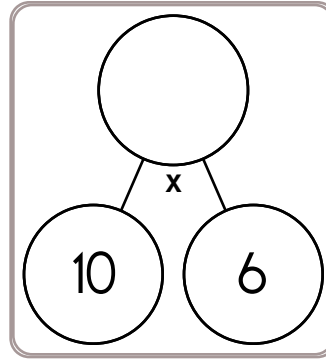
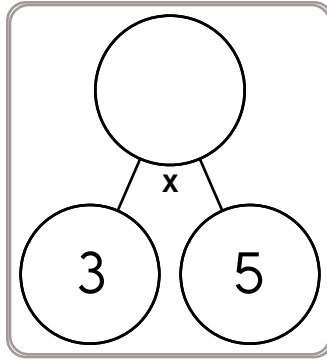
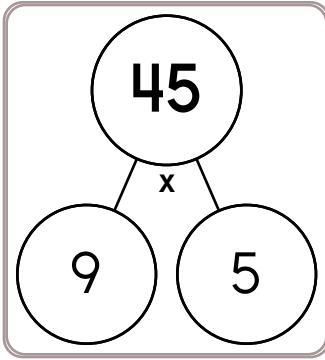
<p>Write the missing family fact.</p> <p>$136 - 89 = 47$ $47 + 89 = 136$ $89 + 47 = 136$</p> <p>_____</p>	<p>Which is the better buy? Nine bags of candy for \$36 or five bags of candy for \$25?</p>
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<p>$33 \div 3 =$ _____</p>	<p>What time is 15 hours after 1:00 a.m.?</p> <p>_____</p>	<p>$54 \div 6 =$ _____</p>
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<p>$9 \times 5 =$</p>	<p>Mary told Hannah that she multiplied two consecutive whole numbers and the answer is 116. Hannah doesn't believe that is possible. She thinks Mary must have multiplied wrong. Who is correct?</p>	<p>$11 \times 8 =$ _____</p>
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<p>$44 \div 4 =$</p>	<p>The boys in your class each were given a ticket with a number on it. The numbers given out were: 9, 32, 36, 23, 27, 30, 28, 35, and 15. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 3?</p>	<p>$40 \div 5 =$ _____</p>
<p>$7 \times 9 =$</p>		
<p>$48 \div 8 =$</p>		

Name: _____



$3 \times 9 =$

$5 \times 9 =$

$2 \times 8 =$

$6 \times 5 =$

$8 \times 3 =$

$3 \times 4 =$

$7 \times 5 =$

$6 \times 8 =$

$7 \times 4 =$

$5 \times 2 =$

$4 \times 6 =$

$8 \times 2 =$



$10 \times \underline{\quad} = 100$

$\underline{\quad} \times 12 = 96$

$\underline{\quad} \times 9 = 18$

$11 \times \underline{\quad} = 110$

$11 \times \underline{\quad} = 99$

$\underline{\quad} \times 8 = 96$

$\underline{\quad} \times 5 = 60$

$2 \times \underline{\quad} = 20$

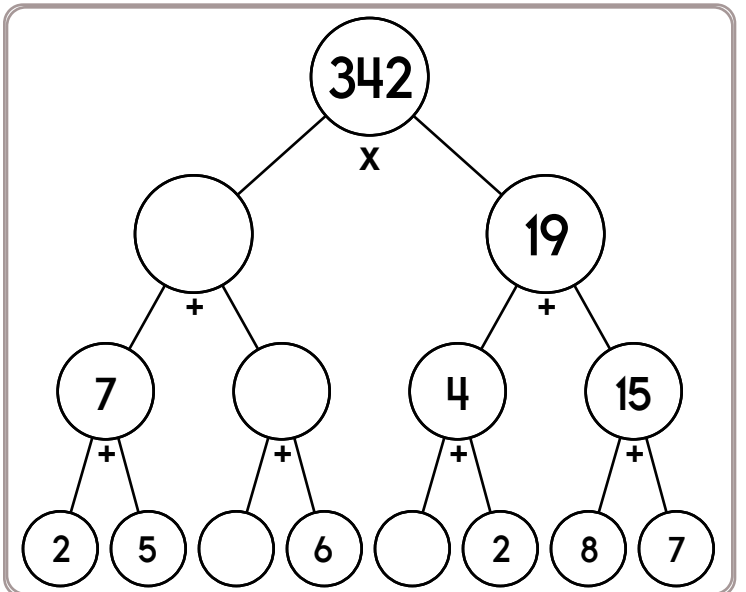
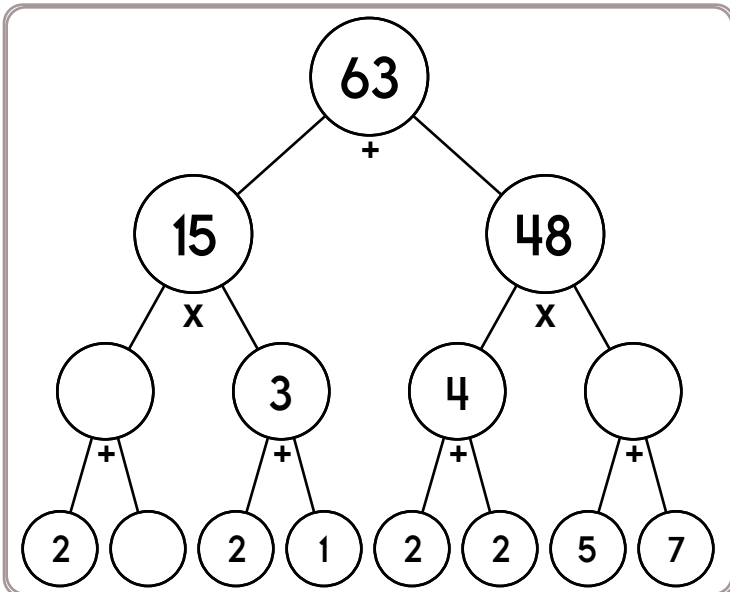
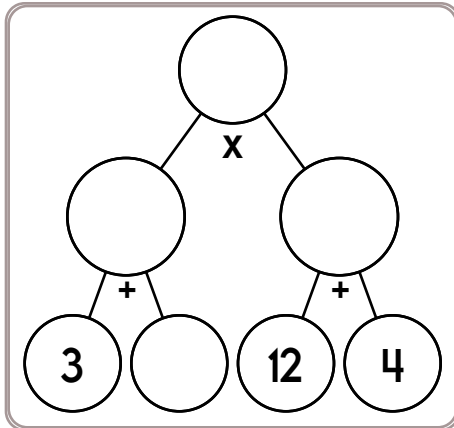
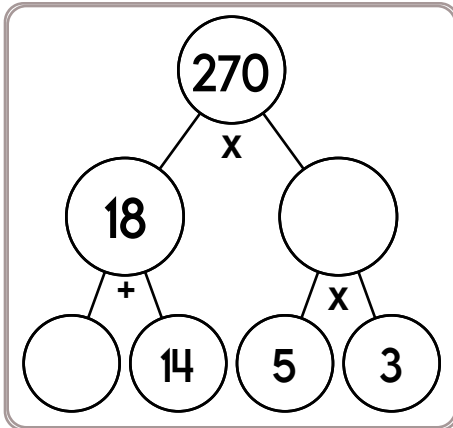
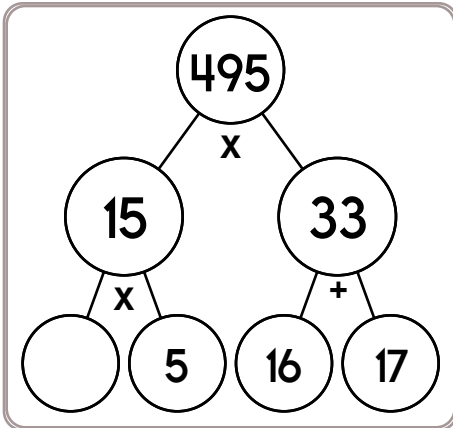
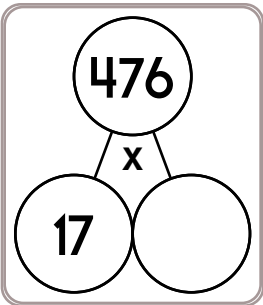
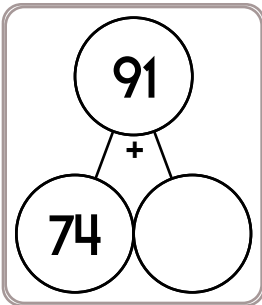
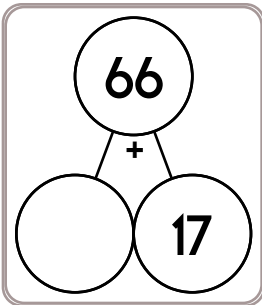
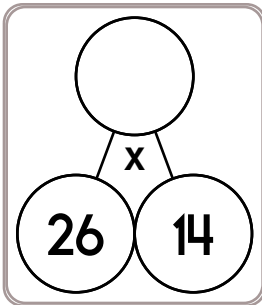
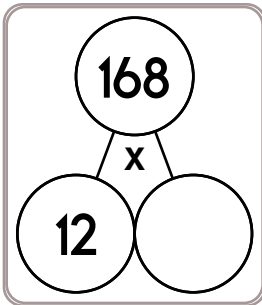
$11 \times \underline{\quad} = 55$

$\underline{\quad} \times 6 = 54$

$9 \times \underline{\quad} = 81$

$\underline{\quad} \times 3 = 15$

Name: _____



$$\begin{array}{r} 864 \\ 4,921 \\ + 937 \\ \hline \end{array}$$

$$\begin{array}{r} 8,306 \\ - 6,119 \\ \hline \end{array}$$

$$\begin{array}{r} 8\frac{9}{10} \\ + 1\frac{5}{10} \\ \hline \end{array}$$

Name: _____

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

(14,281,868,906,496), (793,437,161,472), (44,079,842,304),

(2,448,880,128), (136,048,896), (7,558,272),

(419,904), (23,328), _____, _____

(61,983,140,352), (4,427,367,168), (316,240,512),

(22,588,608), (1,613,472), (115,248),

(8,232), (588), _____

Complete each pattern, using the same rule. Write what the rule is.

3, 30, 34, 340, 344, 3440, 3444, _____, _____

5, 50, 54, 540, 544, 5440, _____, _____, _____

2, _____, _____, _____, 244

Name: _____

$$s + s + s + s + s =$$

$$y + 7y =$$

$$7k + 2k =$$

$$6z - 3z =$$

$$8m - 3m + m =$$

$$4m + 11 - 9 + 8m - 2m =$$

If $m = 4$, then show what the result of the two equations above would be.

Did you get the same result for both equations?

$$4y + 11 - 9 + 8y - 4y =$$

If $y = 4$, then show what the result of the two equations above would be.

Did you get the same result for both equations?

Hints:

$$3 - 7 = -4$$

$$19m - 20m = -m$$

Solve:

$$3m - 7m =$$

$$12m - 13m =$$

$$12m + 13m =$$

$$9y + 3y - 11y =$$

Name: _____

Emily and Anna each wrote games for their phones, and the games are taking off!

After the first day, Emily's game had 12,000 users. On day 2 she had 37,500 users. On day 3 she had 63,000 users. On day 4 she had 88,500 users.

After the first day, Emily's game had 2 users. On day 2 she had 8 users. On day 3 she had 32 users. On day 4 she had 128 users.

If these patterns continue, whose game will have the most users on day 11?

Circle the one that is smaller.

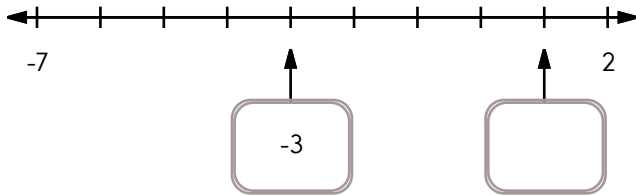
- a. 7 m or 700 km
- b. 2.031 or 2.0000031
- c. $3 \div 11$ or $4 \div 12$
- d. 8.096 or 8.00000096
- e. $18 \div 12$ or $19 \div 13$
- f. 3 cm or 3 m
- g. 7.0050 or 7.00050
- h. $20 \div 12$ or $21 \div 13$

April is doing some mental math. She picked a number from a hat. She multiplied that number by 5. Then she took the product and added 7 to it to get a result of 157. What number did April start with?

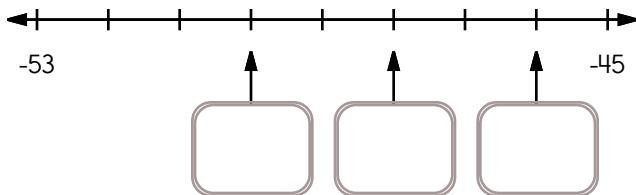
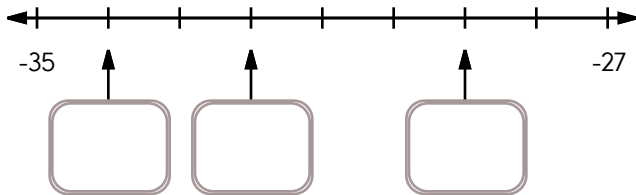
Mary picked a number from the hat and did the same thing, but her result was 110 less than April's result. What number did Mary start with?

Amy's Donuts are the best. They cost \$0.50 per donut, or you can buy a dozen and get \$1.80 off. Only 5 blocks away, they have Sarah's Donuts, and they are just as good. The donuts cost \$0.60 each at Sarah's Donuts, or you can buy a dozen and get \$2.10 off. You need to buy 15 donuts for a party. Which store would cost the least?

Name: _____



Fill in the missing values to complete each number line.



Write a positive or negative number for each.

14 °C above zero

13 °C below zero

14 °C below zero

You had 29 points in a game and then you lost 37 points. How many points do you have?

Write the opposite of each number.

28 -21 -1,018

234 295 -1,829

Complete each inequality using $>$, $=$, or $<$.

-13 ○ 15 -4 ○ -8
 11.7 ○ -17.8 -74.5 ○ 10.9
 97.3 ○ -78.1 74.5 ○ -17.8

Write the largest number.

-528.33, -2, 4, -947.4, 669, 944.06, 7, -780.9, 860, 166.09, 914, 880, 5.56, -886

Write the smallest number.

-450, 648.06, 438, -338.78, 313.6, -927, 860, -2, -9, -434, 7, 277.59, -943, 293

Write the largest number.

806, 5, -417.09, 835.3, 480, 506, -188, 6, 3, 272.7, 828.47, -867, -0.04, 659

Name: _____

Three consecutive numbers have a sum of 381. What are the numbers?

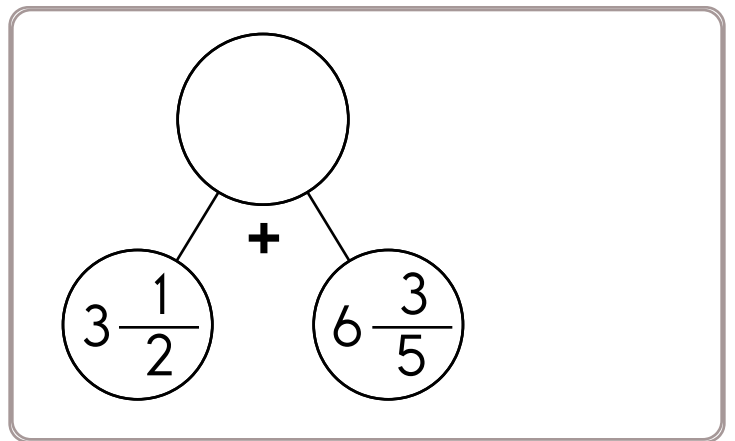
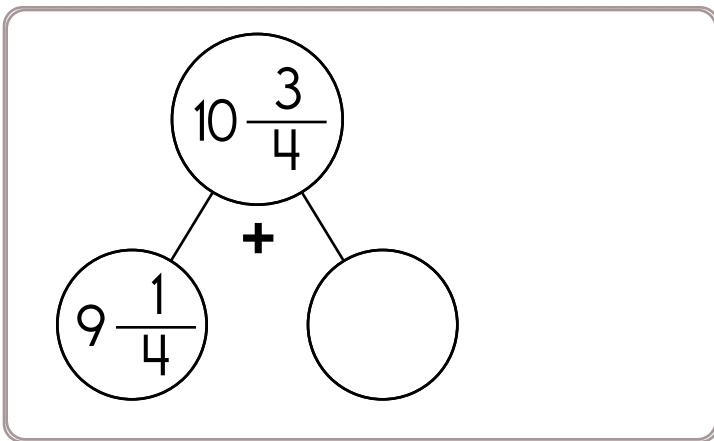
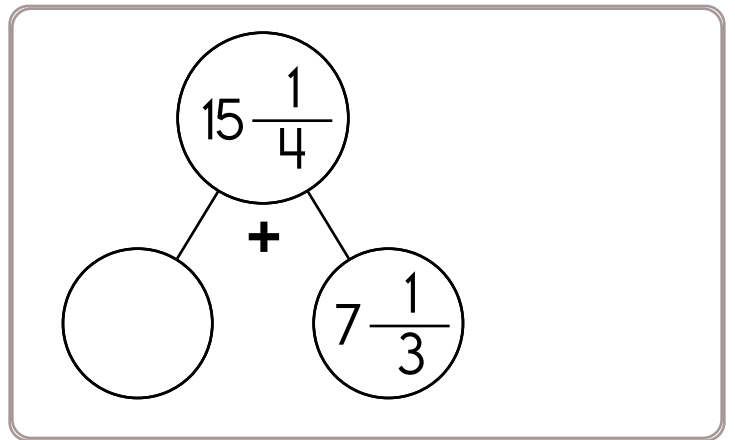
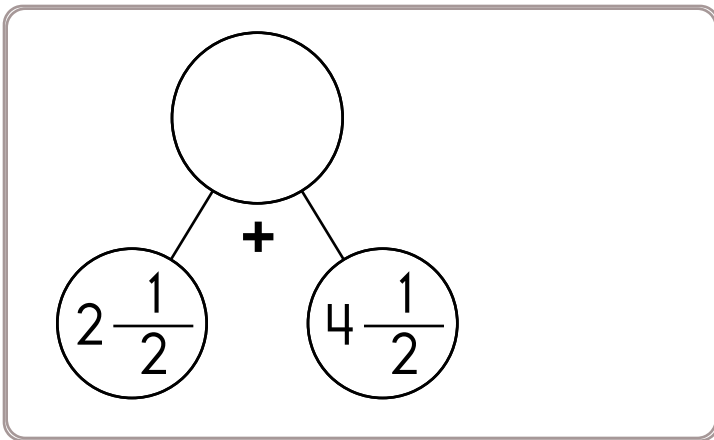
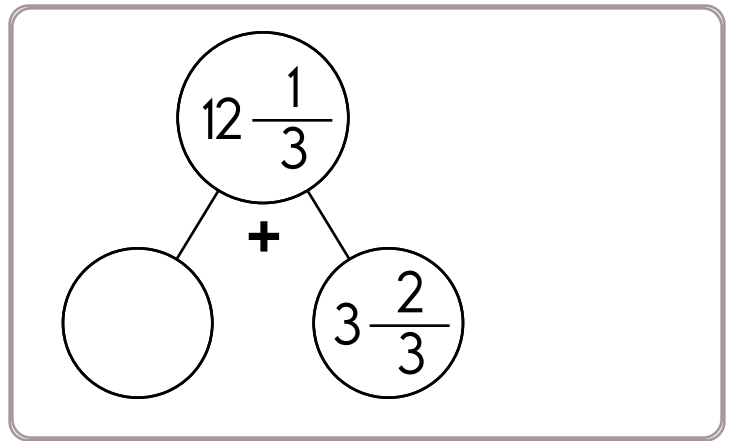
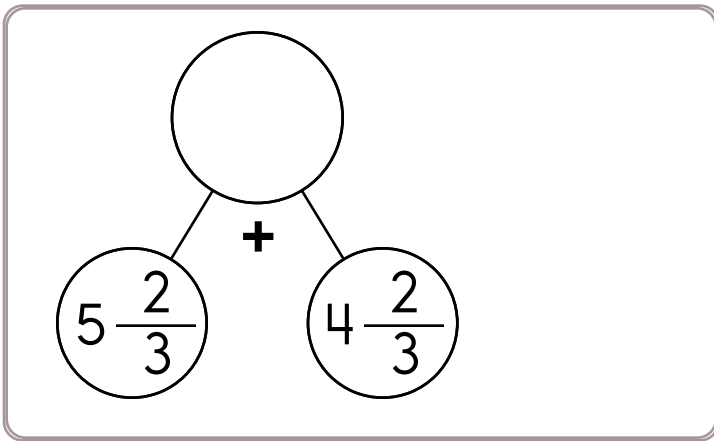
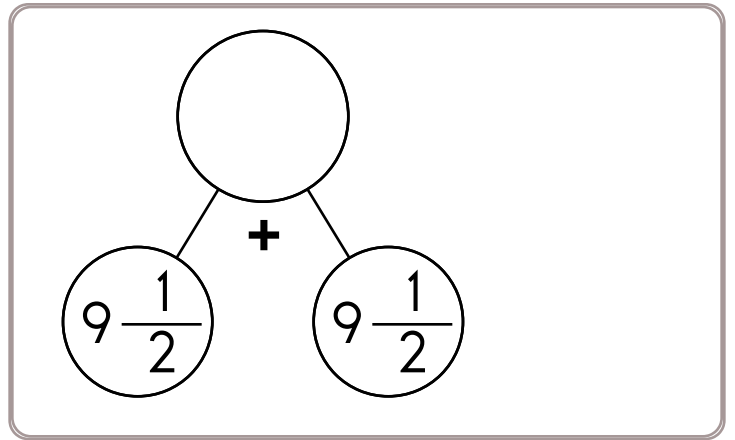
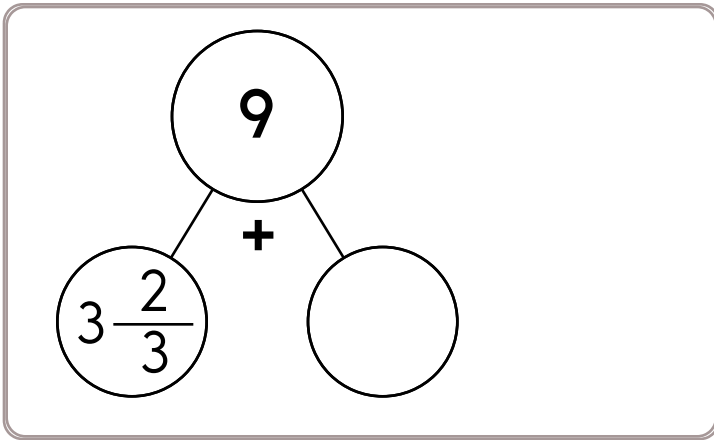
This fraction is not in simplest form. To reduce this fraction to simplest form you need to divide both the numerator and denominator of this fraction by seventeen. If you multiply the numerator by 4, the numerator would be 204. What is this fraction?

$$\begin{array}{r} 5.9 \\ \times 9 \\ \hline \end{array}$$

$$9 \overline{) 32.4}$$

$$2 \overline{) 1.8}$$

Name: _____





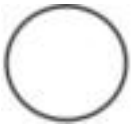




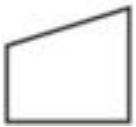


Name: _____

Each row, column, and box must have the numbers 1 through 6. The first box is done.

1	4	3	5		6
6	2	5			1
	1				
3		4			
2		6			
					3

Each row, column, and box must have 6 different pictures.

Name: _____

A printer can print 32 pages in 4 minutes.
How many pages can the printer print in
one minute?

How many pages can the printer print in
one hour?

A hotel at the beach charges \$139 per day.
Hunter booked a room for 4 days at the
hotel. How much money did he have to
pay?

At the amusement park near the exit for
the Splasher ride, they offer a dryer for
people to walk in and get completely dry in
only four minutes. There are three dryers.
Three people just walked into the three
dryers and started the machine. Nineteen
other people are waiting outside the dryers.
How long will the last person in the line need
to wait?

Two-fourths of a cup of flour is needed to
make 4 cookies using a recipe called
Fantastic Flour Cookies. If Robert has 13
cups of flour, what is the maximum number
of Fantastic Flour Cookies he could make?

Name: _____

$$13 - \frac{1}{3} - \frac{2}{3} =$$

$$2\frac{1}{3} \div 3\frac{1}{2} =$$

$$\begin{array}{r} \frac{1}{4} \\ - \frac{1}{10} \\ \hline \end{array}$$

Find the least common denominator.

$$\frac{1}{9} \text{ and } \frac{1}{7}$$

Reduce each fraction to a mixed numeral in its lowest terms.

$$\frac{30}{15} =$$

$$\frac{192}{28} =$$

$$\frac{35}{40} =$$

$$\frac{120}{16} =$$

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

$$\frac{208}{24} =$$

Write the reciprocal.

$$\frac{7}{6}$$

$$\begin{array}{r} \frac{1}{10} \\ + \frac{5}{6} \\ \hline \end{array}$$

$$5 \times \frac{9}{10} =$$

Write the reciprocal.

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Name: _____

		+		+		=	
	C	C	B				24
+	?	C	A				16
x	C	A	A				17
=							
	33	44	11				

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$C + C \times A = 44$ $_ + A + A = 17$ $_ + _ \times _ = 11$

$_ + _ + _ = 24$

Additional hints:

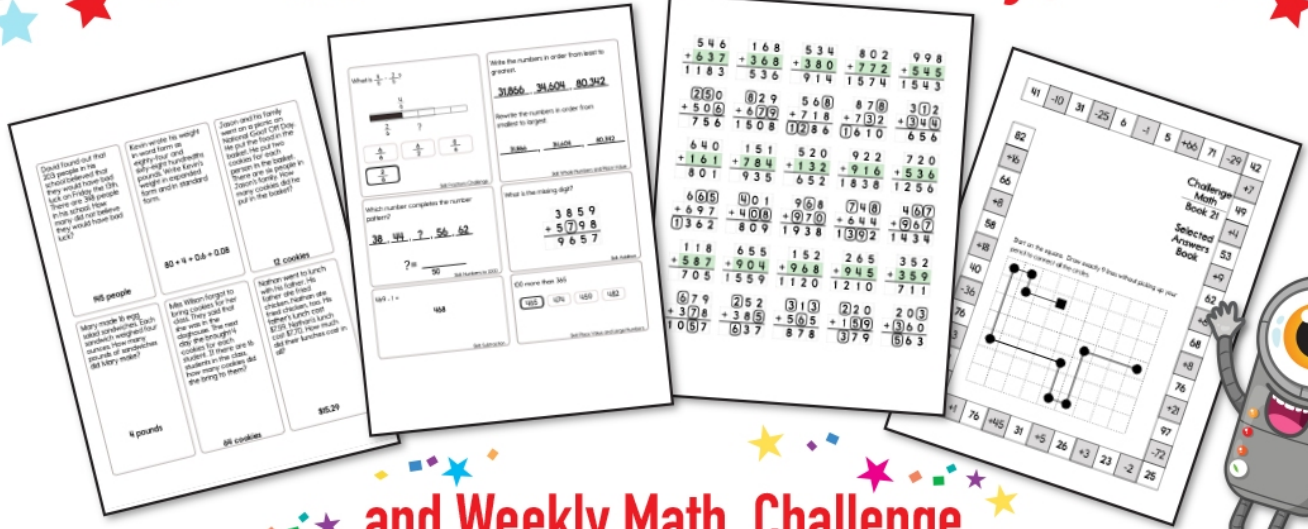
$A < 4$ $A = B + 1$

Show Work:

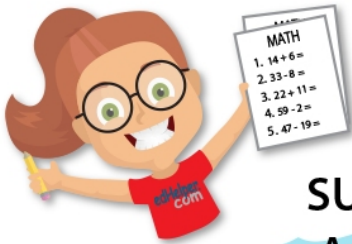
Solve:

$? = _$

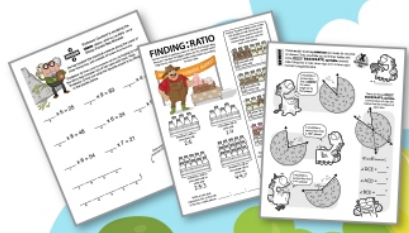
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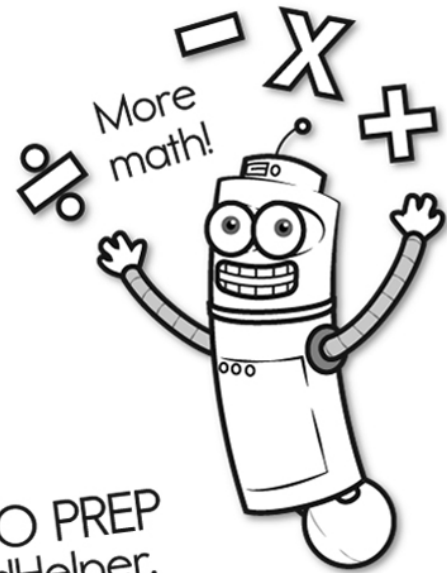
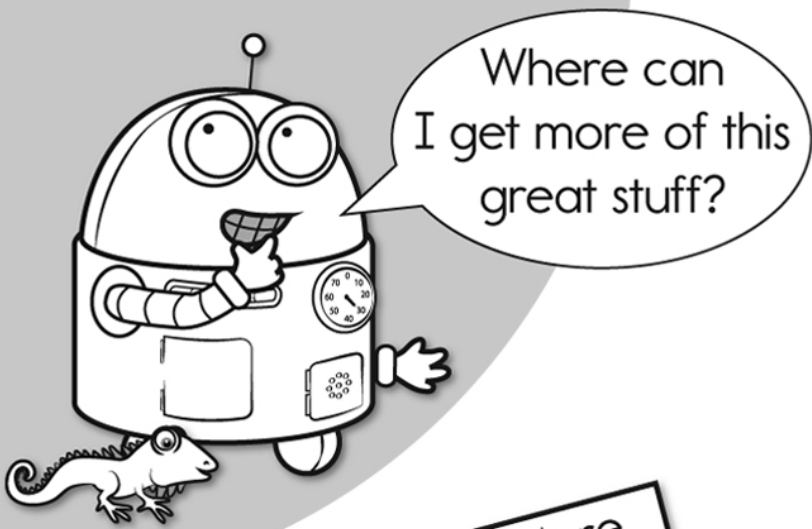
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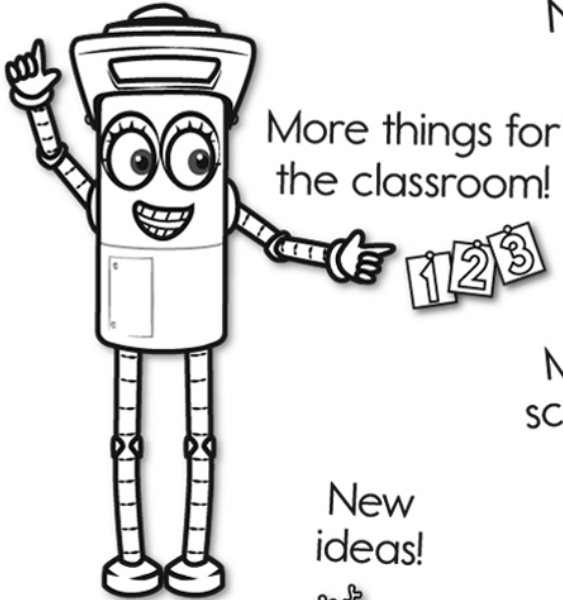
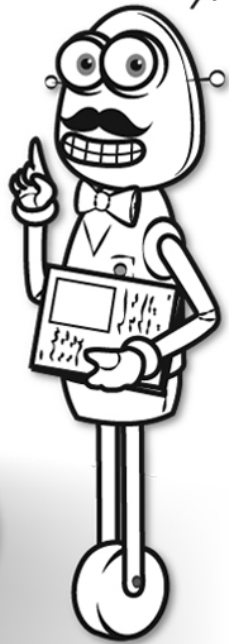
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More history!

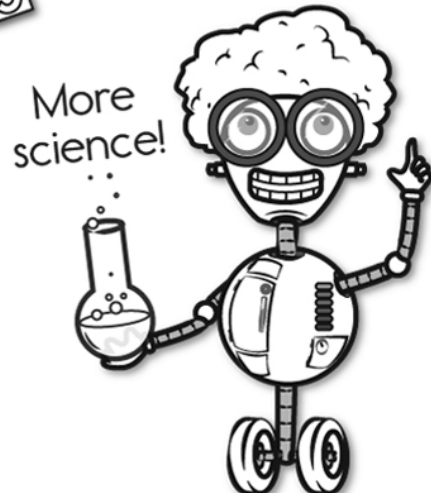


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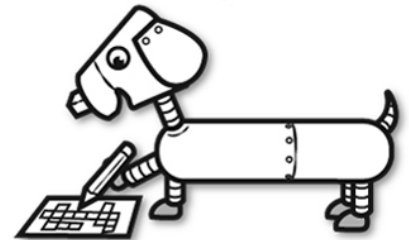


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