Name: _____

104, 117, 130, 143, _____,

169, 182

What 4 coins add up to 17 cents?

(4,096) , (1,024) ,

(256) , _____, (16) ,

(4) , (1) , $\frac{1}{4}$, $\frac{1}{16}$

40, 44, 51, 61, _____, 90,

109, 131, 156, 184

Round 91,234 to the nearest hundred.

$10 \div \frac{1}{5}$

$29\frac{1}{6}$, $27\frac{5}{6}$, $26\frac{1}{2}$,

_____, $23\frac{5}{6}$, $22\frac{1}{2}$,

$21\frac{1}{6}$, $19\frac{5}{6}$, $18\frac{1}{2}$,

$17\frac{1}{6}$, $15\frac{5}{6}$, $14\frac{1}{2}$

585 ÷ 10

Rewrite as an algebraic expression or equation.

Add 15 to the product of f and 4

y = x + 13
y = 20
What is the value of x?

If a = 4 and b = 8,
then
4a + b =

0.2 x 0.3

Name: _____

The sum of two numbers is 50.

If you take the first number and subtract it by the second, the difference is 25.

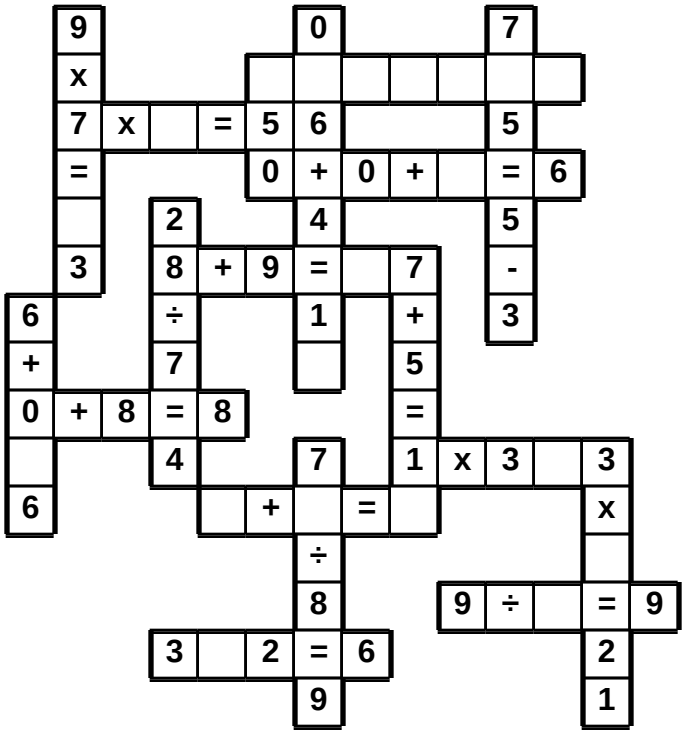
What are the two numbers?

Sarah lives at the point (10, -12). She wants to go to the closest mall. There are two malls on the map. Mall AA is at (13, -9), and Mall BB is at (12, -9). On the map she can only travel vertically or horizontally, one unit at a time. She cannot go diagonally. So she could go from (1,3) to (1,4) or (1,3) to (2,3), but not from (1,3) to (2,4). Which mall is closer to her?

Name: _____

1 • + • 4 • = • 9 • - • 4 • 8 • 6 • 6 • 1 • 0 • = • = • 0 • 2
2 • 7 • 1 • x

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



$$\begin{array}{r} 34 \\ \times\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 186 \\ \times\ 40 \\ \hline \end{array}$$

8, 10, 12, 14, _____, 18, 20, 22, 24

$9 \times 9 = Z^y$

What is the value of Z and y?

$132 \div 11 \times 9$

Name: _____

Complete each pattern. Write what the rule is.

92, 85, 78, _____, _____, 61, 56, 52, 48, 45, 42, 40, 38, 37, 36

122, 114, _____, 99, 92, 86, 80, 75, _____, _____, 62, 59, 56, 54, 52, 51, 50

Complete each pattern. Write what the rule is.

_____, _____, 334673, 733346, 467333, 334673, 733346,

467333, 334673, 733346, 467333, 334673, 733346, 467333

736987, 877369, 698773, 736987, 877369, 698773, 736987,

877369, 698773, _____, _____, _____, _____, 877369

Name: _____

Peter is keeping track of the number of grams of fat he eats. He wants to get in shape to run the 220-yard dash. On Tuesday he ate 9 grams of fat at breakfast, 15 grams of fat at lunch, and 8 grams of fat at dinner. How many milligrams of fat did he eat?

Jessica and her friends wanted to play Cat and Mouse. Jessica was chosen to be the cat and Holly was chosen to be the mouse. The rest of the girls joined hands and made a big circle. The diameter of the circle was 11 feet. What was its circumference? Round your answer to the nearest hundredth.

Rose took a picture of her father's office building. He worked in a 50-story skyscraper. When she got the picture, she saw that she had only taken a picture of the highest 29 stories. Write a fraction for the part of the building that was in the picture.

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

$$\begin{array}{r} 395 \\ +\ 350 \\ \hline \end{array}$$

For 7,413,119,965,035, write the digit that is in the ten thousands place.

_____

Wendy told April that she multiplied two consecutive whole numbers and the answer is 240. April doesn't believe that is possible. She thinks April must have multiplied wrong. Who is correct?

4,223 - 1,939 = _____

Wendy rolls a die. What is the chance of her rolling a 6?

_____

$$\begin{array}{r} 35 \\ +\ 47 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -\ 39 \\ \hline \end{array}$$

word root **enni** can mean **year** **bicentennial, centennial, perennial**

Name: _____

Sudoku Sums of 11

Each row, column, and box must have the numbers 1 through 6.
Hint: Look for sudoku sums. The sum of the two boxes inside of the dashed lines is 11.

Here is an example of a sudoku sum of 11:

1	10

		3			
1					
				2	
2			3		
	6		4		
3	2		1	6	

120 ÷ 12 = _____

9 x 10 = _____

12 kg = _____ g

90 ÷ 9 =

5 x 8 =

$$\begin{array}{r} 622 \\ -\ 479 \\ \hline \end{array}$$

The boys in your class each were given a ticket with a number on it. The numbers given out were: 5, 26, 21, 8, 19, 28, 36, 14, 11, 38, and 32. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 6?

Name: _____

Can 971 be evenly divided by 6? Circle:
971 is NOT evenly divisible by 6
971 is evenly divisible by 6

1 km = 1,000 m

16 km = _____ m

2 x 6 = _____

Write the numbers 30 to 55 on a sheet of paper.
How many of these numbers are divisible by 3?

_____

How many kilograms are in 6,000 grams?

_____ kilograms

8 x 10 = _____

(9 + 3) + 3 =

4 ÷ 2 = _____

Amy and her little sister, Hannah, both have birthdays on the same day. Amy is fifteen years old. Hannah is ten years old. Did you know that Amy was once double the age of Hannah? How many years ago was that?

4 x 12 =

14 ÷ 2 = _____

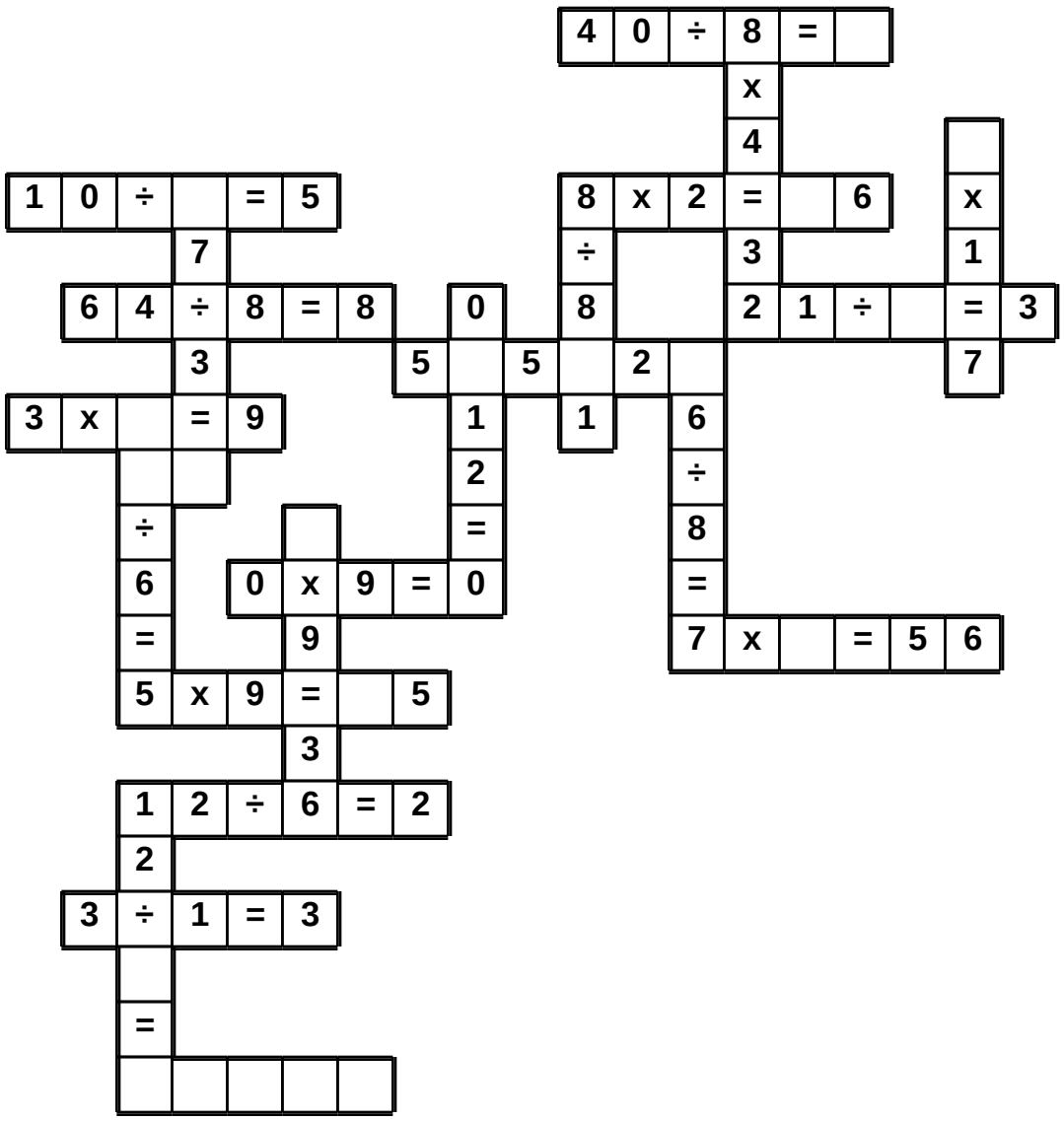
4 x 10 = _____

Rosa took three numbers greater than 1 and multiplied them. One number was three and the other number was eighteen. Of course, she forgot the last number, but she remembered the product was 432. Is this possible?

Name: _____

5 • 7 • 2 • 1 • 7 • x • = • 5 • 3 • 0 • 9 • 4 • 8 • 4 • 2 • 6 ÷ • 3 • = • 2

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



91,718 - 74,124 = _____

What time is 16 hours after 3:00 a.m.?

_____

Circle the smallest number:

825,903,716

1,750

50,897,361

420,481,593,726

Name: _____

The EdHelper Clothes store at the mall has four employees (Danielle, Devin, Lauren, and Christopher). This week they worked 39, 25, 40, and 36 hours. The employees at EdHelper Clothes are paid by the hour. Each employee is paid at a different hourly rate ($15.26, $15.79, $15.42, and $15.89).

Figure out how many hours each employee worked this week. Also, determine each employee's hourly pay.

1. Devin earned $549.36 this week.
2. The employee that worked thirty-nine hours this week, worked fifty-three hours last week. Last week, the employee earned $221.06 more than the amount the employee earned this week.
3. This week, Danielle worked the most number of hours.
4. Christopher had the smallest paycheck for the week.
5. Devin earns the least amount of money per hour.

Danielle worked _____ hours and was paid _____ hourly.

Devin worked _____ hours and was paid _____ hourly.

Lauren worked _____ hours and was paid _____ hourly.

Christopher worked _____ hours and was paid _____ hourly.

120 ÷ 10 =

6 x 7 = _____

Here is a pattern of letters:

M J J M M J J M M J . . .

What letter will be the 34th term in the pattern?

word root **semi** can mean **half** **semicircle, semiformal**

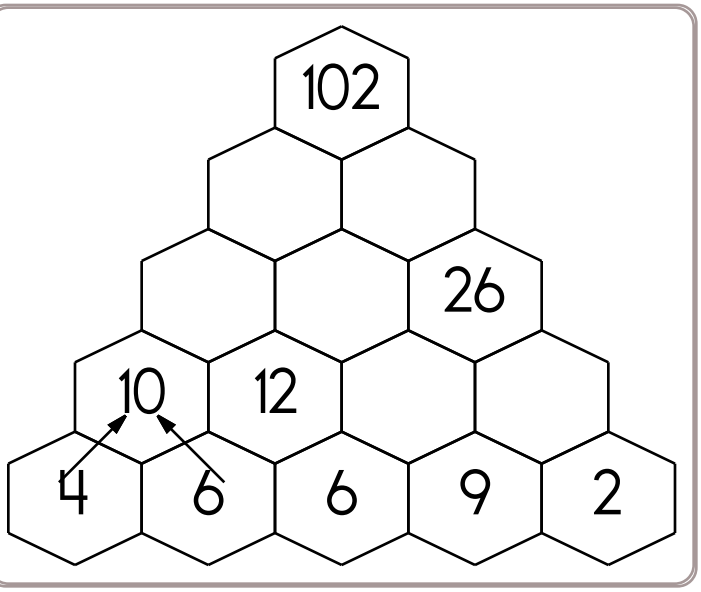
Name: _____

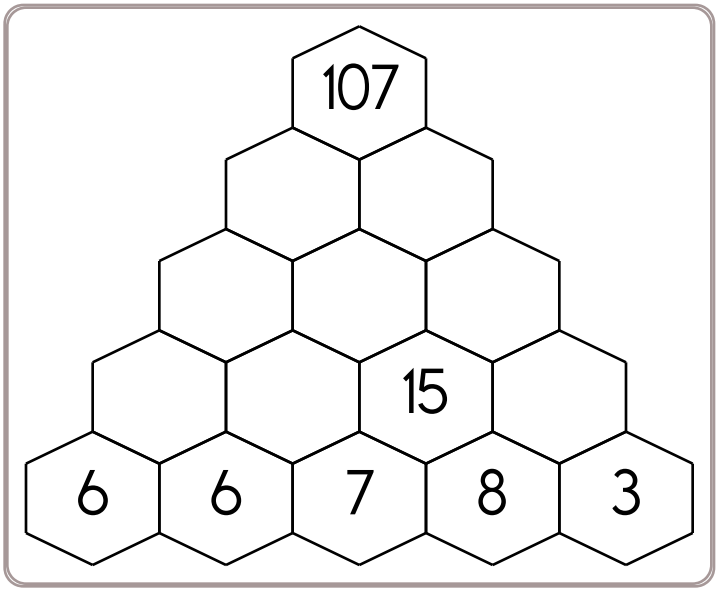
Add one set of parenthesis to each equation so that the equation is true.

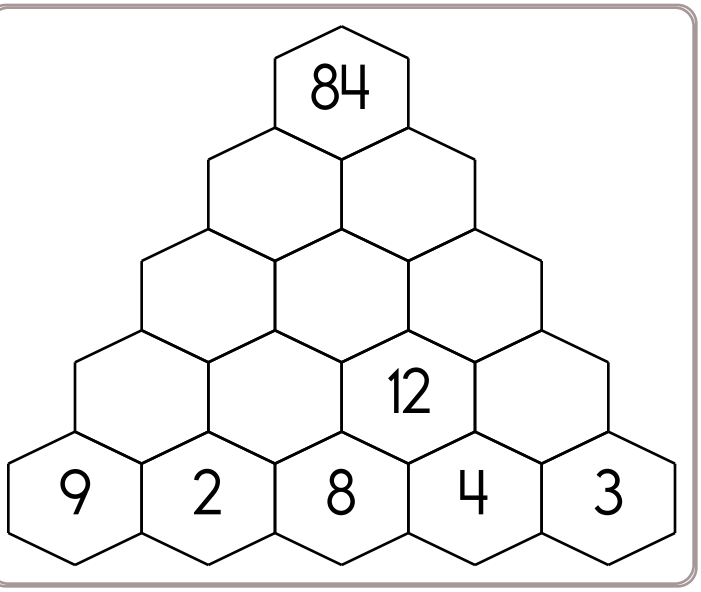
(10 + 7) x 6 = 102	11 + (3 x 6) = 29
6 - 4 ÷ 2 = 1	6 - 4 ÷ 2 = 4
3 + 8 x 5 - 3 = 40	3 + 8 x 5 - 3 = 52
12 x 4 + 1 - 8 = 41	12 + 2 x 6 - 9 = 15
11 - 9 + 11 ÷ 5 = 7	12 x 11 + 3 + 9 = 144
5 + 8 x 1 - 8 = 5	10 + 3 x 3 ÷ 3 = 13
4 + 4 + 4 - 9 = 3	11 - 5 ÷ 3 x 5 = 10
5 + 9 + 3 x 4 = 26	1 + 1 - 2 ÷ 2 = 1
7 x 12 + 7 + 11 = 144	4 x 8 - 8 + 2 = 2

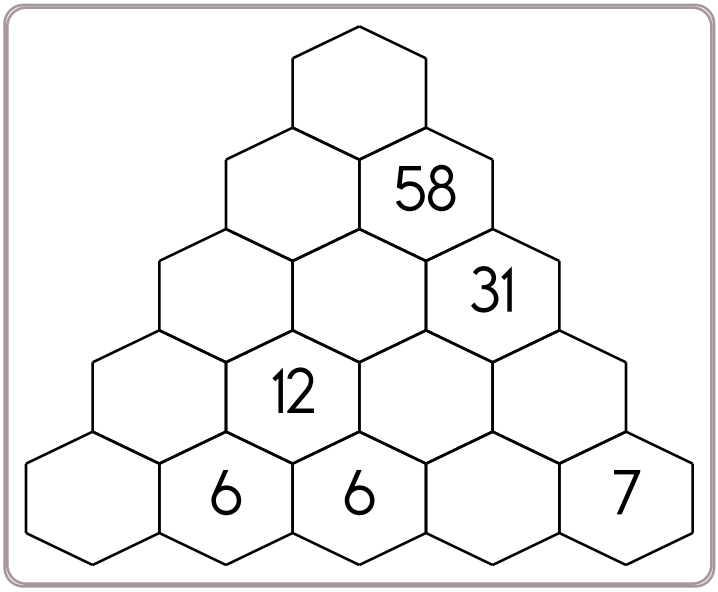
Name: _____

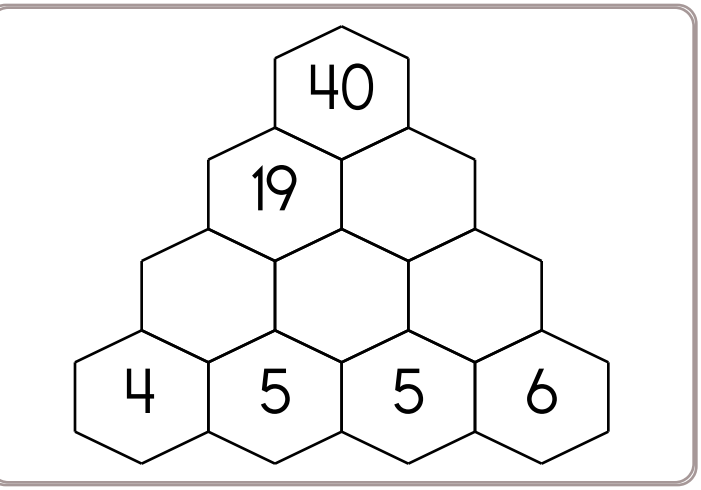
Fill in the blanks by adding the two numbers below each hexagon.

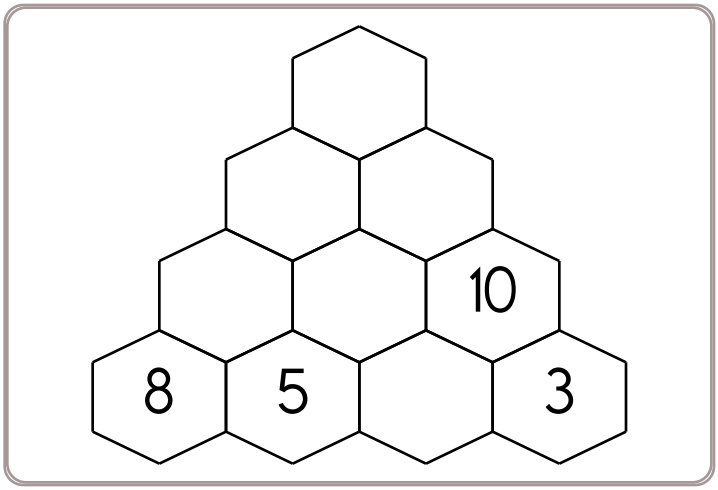








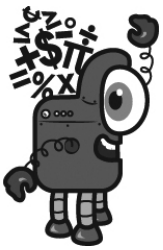




word root **sub** can mean **under or below** **submarine**

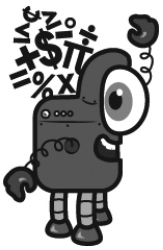
Name: _____

Mental Math — #1 —



- Start with the number 455. **455**
- Add half of 42. _____
  5 5 2 7 4 7 6 9 7 8 (Circle your answer to double check you are correct.)
- Subtract 20. _____
  5 8 7 8 2 0 4 5 6 8
- Add the number of ounces in 1 pound. _____
  4 7 2 9 8 4 1 5 5 6
- Add the digits in your number. The sum of that is your new number. _____
  1 3 5 7 9 3 2 1 3 5
- Add half of 60. _____
  6 3 9 4 3 4 3 4 2 3

Mental Math — #2 —



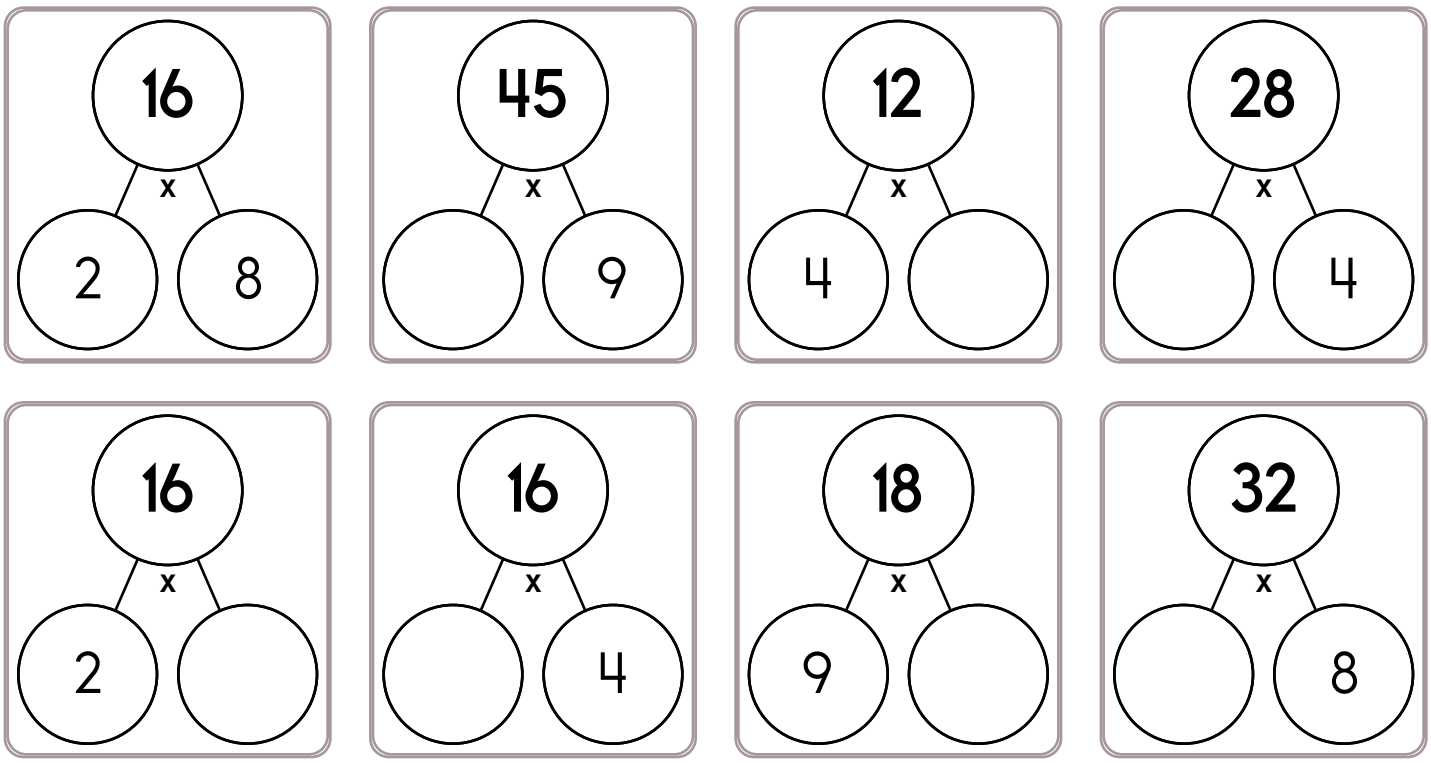
- Start with the number 669. _____
  1 3 8 6 6 9 9 0 4 6 (Circle your answer to double check you are correct.)
- Add the digits in your number. The sum of that is your new number. _____
  1 8 2 1 4 1 2 9 3 0
- Divide by 3. _____
  3 0 7 4 1 9 4 0 7 0
- Triple that number. _____
  6 0 8 8 1 2 1 4 3 9
- Multiply the tens digit by the ones digit. The product is your new number. _____
  4 1 6 1 2 4 1 7 9 5
- Triple that number. _____
  3 3 6 4 8 2 9 4 4 2

Name: _____

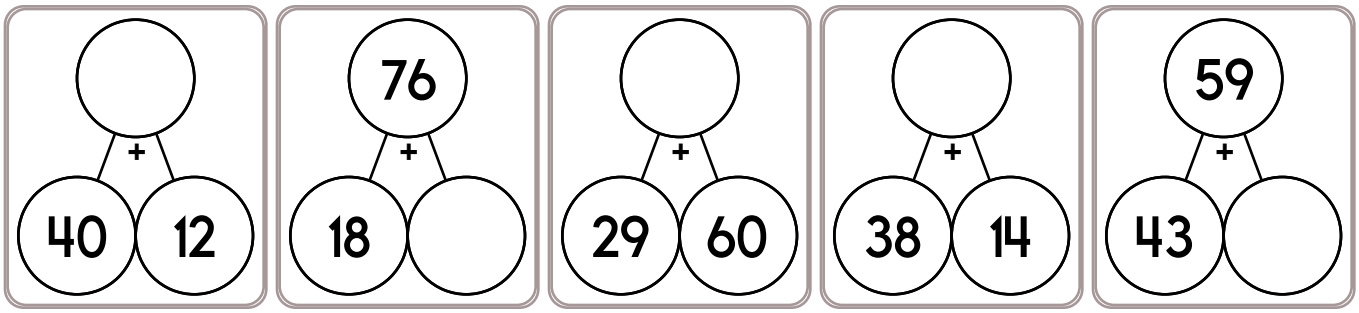
672 ÷ 84 =	284 ÷ 71 =
486 ÷ 81 =	765 ÷ 9 =
329 ÷ 47 =	336 ÷ 48 =
150 ÷ 5 =	136 ÷ 8 =

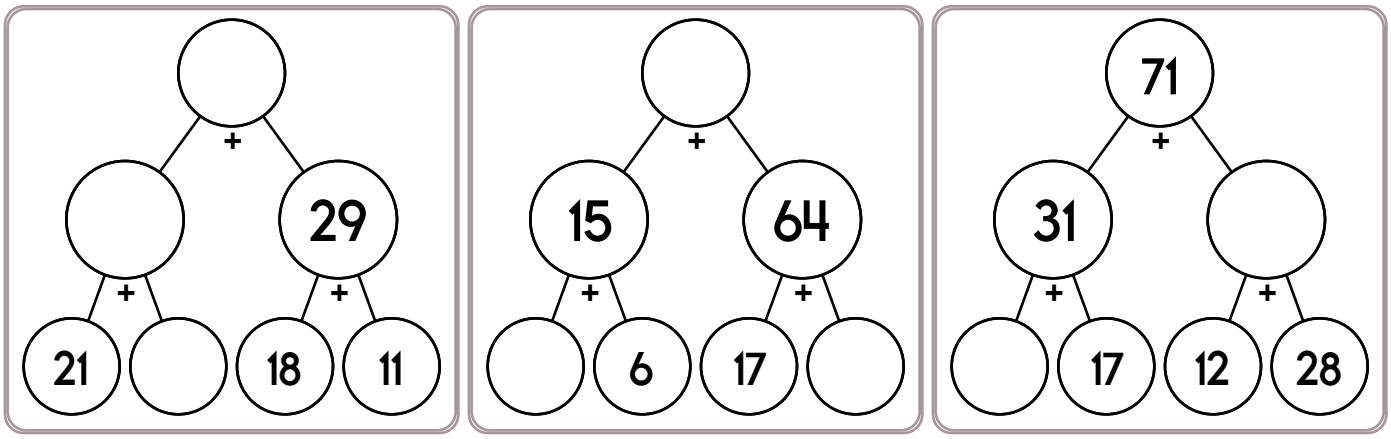
$6\overline{)48}$ $3\overline{)15}$ $5\overline{)35}$ $5\overline{)40}$

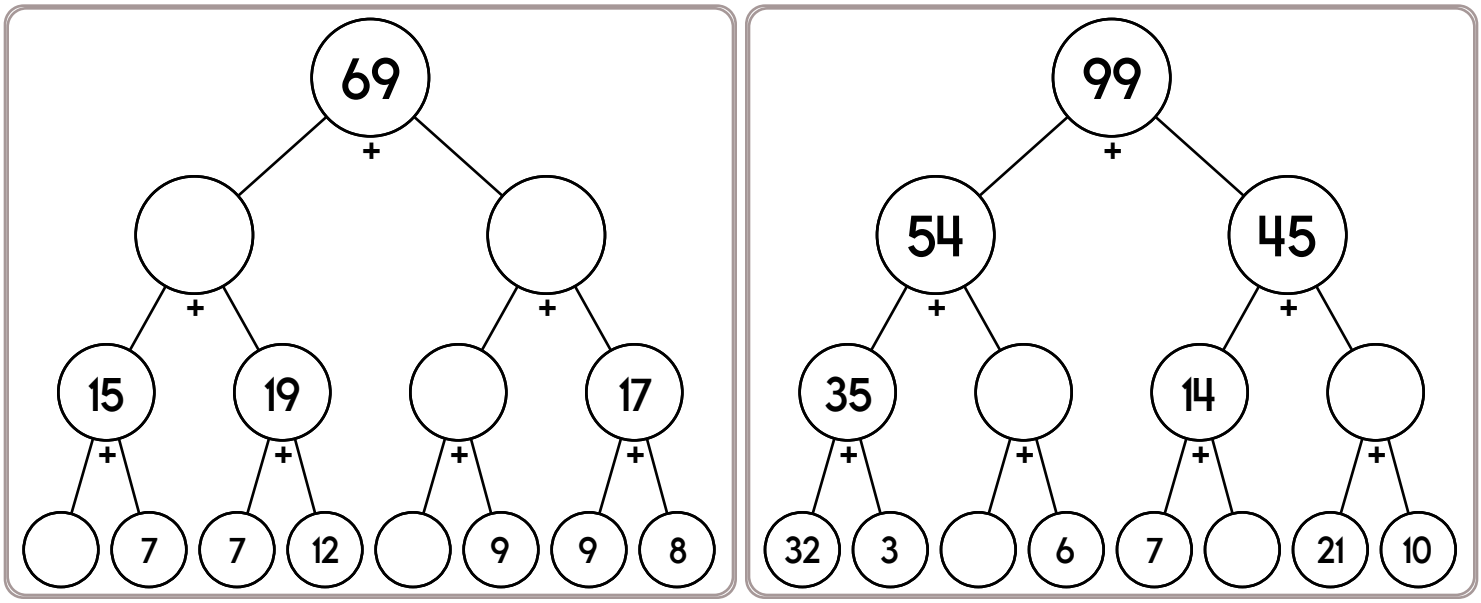
$5\overline{)45}$ $7\overline{)21}$ $6\overline{)12}$ $3\overline{)6}$



Name: _____







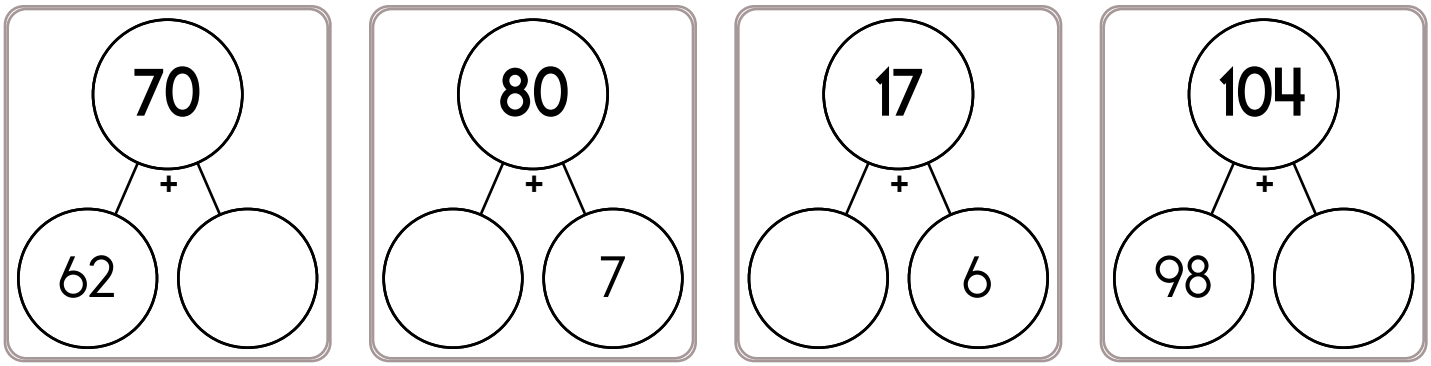
$2 \times 2 = x^2$

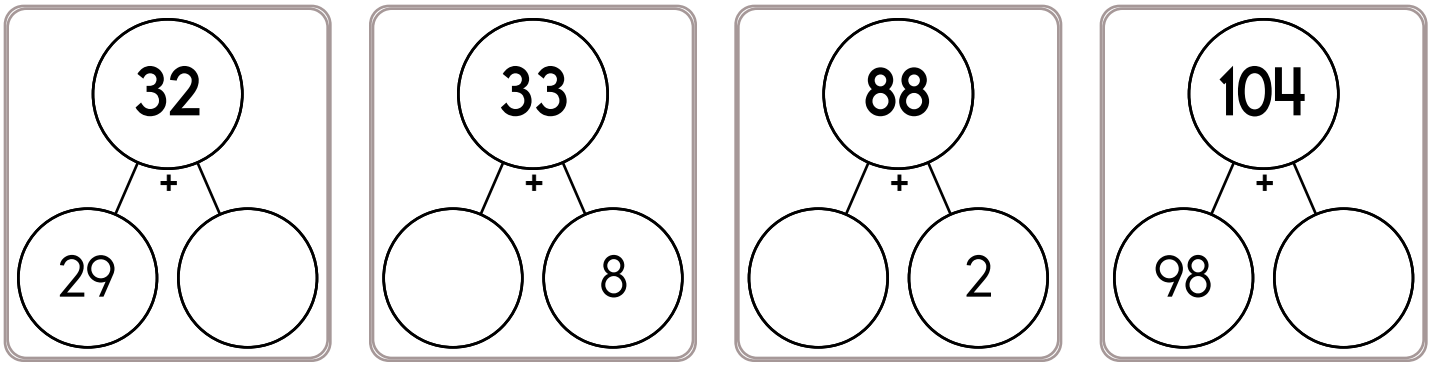
What is the value of x?

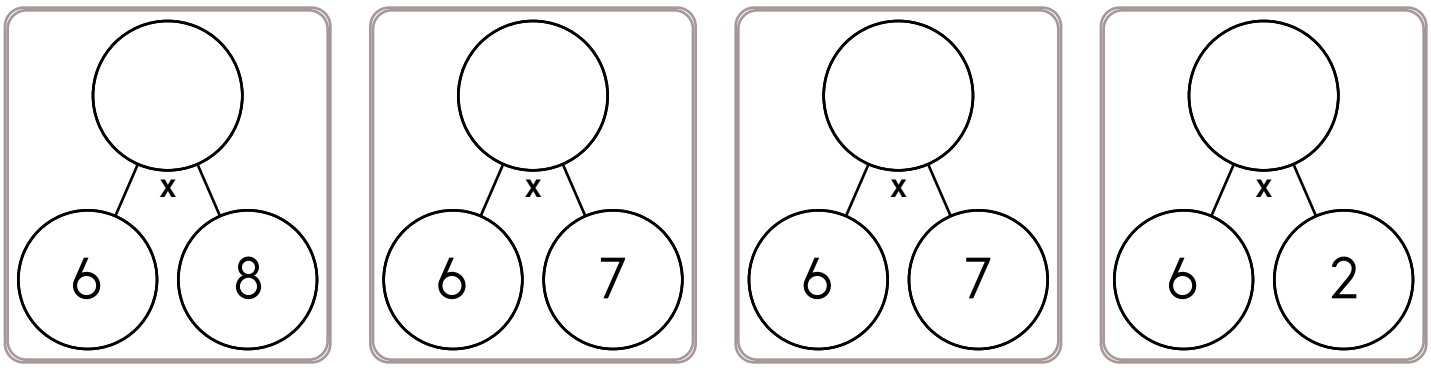
(0.3)(0.15)

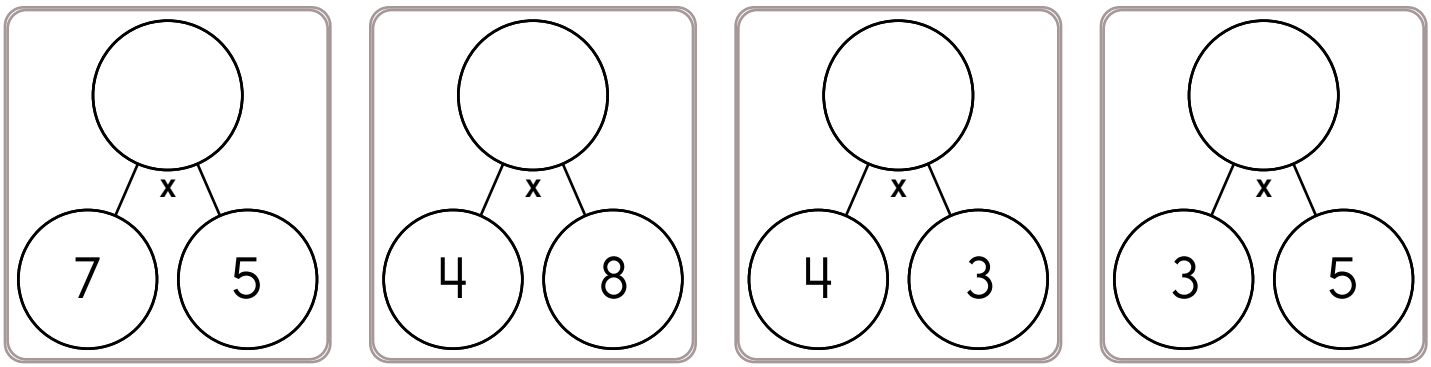
What is the greatest common factor of the numbers 98 and 126?

Name: _____



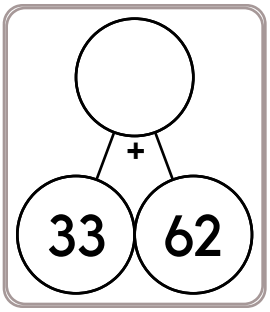


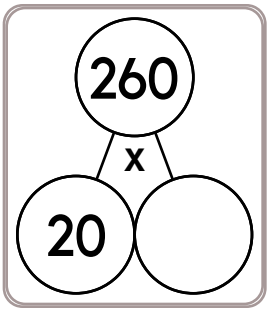


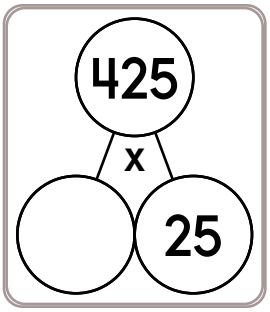


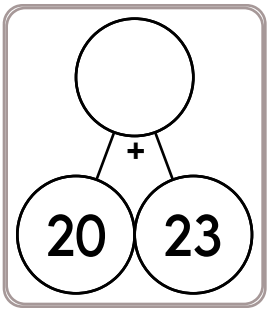
13	93	15	74	10	74
- 5	- 5	- 7	- 2	- 5	- 3

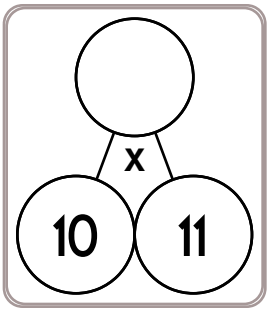
Name: _____











$$\begin{array}{r} 0.6 \\ 0.2 \\ +\,0.7 \\ \hline \end{array}$$

0.61 + 4.7 =

0.11 + 3.5 + 0.2 =

If y = -6 and t = 33 then what is the value of s?
4y - 8t - 2t = s

$\frac{5}{7} \times \frac{4}{7}$

26 - t + 5 = 14
What is the value of t?

$\frac{2}{6} \div \frac{6}{12} =$

10 + 10 x 10 + 7

3 + 24 ÷ 3 - 36 ÷ 9 =

$\frac{1}{2} + \frac{1}{p} = \frac{3}{4}$
p =

A circle graph has four sections. Only three sections are labeled. The labels are 40%, 5%, and 5%. What should the missing section be?

What is the prime factorization of 6?

Name: _____

4 + k = 20

k =

z + 19 = 23

z =

Write an algebraic expression to

subtract 44 from y.

Write an algebraic expression to

get the product of 6 and r.

Compare each pair of numbers or expressions using >, =, or <.

528,662 ◯ 425,537

5 ÷ 35 ◯ 35 ÷ 5

648.2 ◯ 739.91

-45 ◯ -43

-73 ◯ 73

24 - k = 20

k =

z - 7 = 13

z =

The sum of 21 and s is 35.

What is the value of s?

Write an algebraic expression to

subtract 35 from y.

What is 3m + 53

when m = 5?

Simplify 5z + 7z.

What is the value of the simplified equation when z = 6?

Simplify 7r - 5r.

What is the value of the simplified equation when r = 6?

Name: _____

Change to a percent.
0.18

$\frac{12}{27} = \frac{4}{?}$

Write the ratio as a fraction in lowest terms.
7 robots to 10 phones

Write the ratio as a fraction in lowest terms.
7 dogs to 9 cats

Find 74% of 499.

Change to a percent.
0.5

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

Change to a fraction.
65%

Find 3% of 82.

Write as a percent.

$\frac{1}{2}$

Change to a percent.

$\frac{8}{10}$

Write the ratio as a fraction in lowest terms.
29 girls to 40 boys

Change to a percent.

$\frac{7}{100}$

Change to a percent.

$\frac{24}{10}$

Change to a percent.

$\frac{16}{100}$

Name: _____

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

17% of 100	40% of 145	14% of 50	53% of 100
13% of 200	60% of 110	40% of 145	28% of 25
100% of 58	20% of 130	28% of 100	35% of 80
55% of 120	68% of 25	100% of 53	58% of 100

What kind of angle has a measure of between 90° and 180°?

Sketch an acute angle named ∠BCD.

Sketch an obtuse angle named ∠GHI.

Use >, <, or = to complete.

$\frac{1}{9}$ ___ 81%

$\frac{2}{4}$ ___ 63%

$\frac{1}{4}$ ___ 19%

t - 9 + t = 21

What is the value of t?

(4 + 16) + 6 = 2(v + 10)

What is the value of v?

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

12 + 6 x 3 + 10

8 + (49 ÷ 7) - 33 ÷ 11 =

$\frac{7}{9} \times \frac{1}{9}$

|-9| - d = 1

d =

17m - 29.6 = 21.4

m =

Name: _____

Write each product in the simplest form.

$\frac{11}{5} \times \frac{3}{8}$

$\frac{18}{12} \times \frac{3}{16}$

$\frac{3}{2} \times \frac{13}{8}$

$\frac{14}{9} \times \frac{11}{3}$

$\frac{19}{8} \times \frac{1}{12}$

$\frac{24}{15} \times \frac{9}{5}$

$\frac{31}{9} \times \frac{12}{13}$

$\frac{10}{7} \times \frac{22}{12}$

$\frac{4}{3} \times \frac{8}{11}$

$\frac{9}{5} \times \frac{3}{5}$

$\frac{27}{11} \times \frac{25}{7}$

$\frac{5}{3} \times \frac{4}{3}$

Name: _____

"Want to visit my farm?" asked Robert. "It's just me, my mom, my dad, my 2 sisters, my 10 spiders, my 6 owls, and, last but not least, my 5 dogs."

"Yuck, did you say 10 spiders? Seriously?" asked Jenna.

"Yes, I did! Just answer the following math question. I didn't say these math questions make sense," said Robert with a big smile.

How many legs are there where Robert lives? If it helps, humans have 2 legs (duh!), spiders have 8, and you can figure out the rest!

Pumpkins are on sale for $1.59 per pound. Connor bought a 2-pound pumpkin. David bought a 5-pound pumpkin. How much more did David pay?

Pam is at the store. She is trying to buy the largest kiddie pool they sell. She found two rectanglular pools. One pool is 64 inches by 76 inches. The other pool is 45 inches by 41 inches. She wants the largest pool. Which one should she buy?

Name: _____

Hannah and Megan are playing games on their phones. Who spent the least amount of money?

Hannah bought an avatar for 256 FunBucks. She also bought some stickers for 26 FunBucks.

Megan bought a badge for her avatar for 25 PlayBucks.

1 US Dollar = 31 FunBucks

1 US Dollar = 2.3 PlayBucks

Anna is 134.62 centimeters tall.
Hunter is 4 feet, 7 inches tall.
Who is taller?

Hint: 1 inch = 2.54 centimeters

Draw a number line. Label 0 up to 5.

Then mark approximately where you think $\frac{5}{6}$ and $4\frac{2}{3}$ should go.

Is $2\frac{3}{4}$ closer to $\frac{5}{6}$ or $4\frac{2}{3}$?

Sara and Anne each wrote games for their phones, and the games are taking off!

After the first day, Sara's game had 4 users. On day 2 she had 16 users. On day 3 she had 64 users. On day 4 she had 256 users.

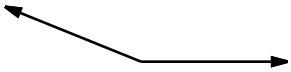
After the first day, Sara's game had 11,000 users. On day 2 she had 34,000 users. On day 3 she had 57,000 users. On day 4 she had 80,000 users.

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

Name: _____

Sketch 2 lines $\overleftrightarrow{FG}$ and $\overleftrightarrow{XY}$ that are intersecting.

What kind of angle is this?



What kind of angle is this?

Sketch 2 lines $\overleftrightarrow{GH}$ and $\overleftrightarrow{TU}$ that are intersecting.

Sketch a right angle named $\angle BCD$.

Sketch an obtuse angle named $\angle GHI$.

An angle measures 115°. What would you call this angle?

Write the supplement of each angle.

23°

37°

19°

13°

40°

7°

33°

Sketch two parallel lines.

Use a protractor to draw a 30° angle.

Name: _____

Draw ONE continuous line that touches every box ONCE.
Count by 7.4s. Find the box with the number 4. Move up, down, right, or left.
Keep counting until you reach 366.6. Do not move into a spot with a picture.

						
						26.2
			70.6		41	18.8
						11.4
						4
					240.8	
						255.6
						366.6
				344.4		

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

one hundred ninety thousand,
eighty-seven

_____

3,971 + 6,798 = _____

988 - 971 = _____

33 ÷ 3 = _____

1,493 + 4,273 = _____

Name: _____

Subtract 89 from 675.

What number is 524 less than 630?

$$\begin{array}{r} 365{,}422 \\ -\ 58{,}800 \\ \hline \end{array}$$

Find the sum of 20, 18, and 33.

$$\begin{array}{r} 7{,}160 \\ -\ 4{,}806 \\ \hline \end{array}$$

$$\begin{array}{r} 491 \\ 2{,}752 \\ +\ 353 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ \times\ 67 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ \times\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times\ 86 \\ \hline \end{array}$$

$$\begin{array}{r} 4{,}428 \\ \times\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 881 \\ \times\ 60 \\ \hline \end{array}$$

Write the reciprocal.

$\frac{7}{8}$

Write the reciprocal.

10

Write the reciprocal.

$\frac{5}{2}$

Name: _____

Reduce $\frac{19}{38}$ to its lowest terms.

$9 - \frac{1}{9} =$

$13 - \frac{1}{10} + \frac{7}{11} =$

$12 - \frac{2}{9} - \frac{1}{3} =$

$17 + \frac{3}{4} - \frac{1}{6} =$

$19 + \frac{6}{7} + \frac{1}{2} =$

Write the reciprocal.
6

Write the reciprocal.
$\frac{8}{1}$

Write the reciprocal.
$\frac{18}{24}$

$\frac{4}{7} \div \frac{1}{2} =$

$2 \div \frac{2}{9} =$

$\frac{1}{2} \times 13 =$

Write the reciprocal.
$\frac{4}{2}$

Write the reciprocal.
$\frac{2}{3}$

Write the reciprocal.
$\frac{6}{5}$

Name: _____

$18m = 54$

$\frac{N}{8} = 8$

$\frac{110}{N} = 11$

$\frac{9}{36} = \frac{?}{4}$

$\frac{14}{42} = \frac{?}{6}$

Write as a percent.

$\frac{7}{12}$

Reduce $\frac{30}{45}$ to its lowest terms.

$12 - \frac{1}{2} + \frac{2}{3} =$

$4 - \frac{1}{3} - \frac{10}{11} =$

$-35 \div 5 =$

$-2 - 3 - 1 =$

$-10 + 6 =$

$8 - 16 =$

$15 + -8 =$ ____

$15 - 8 =$ ____

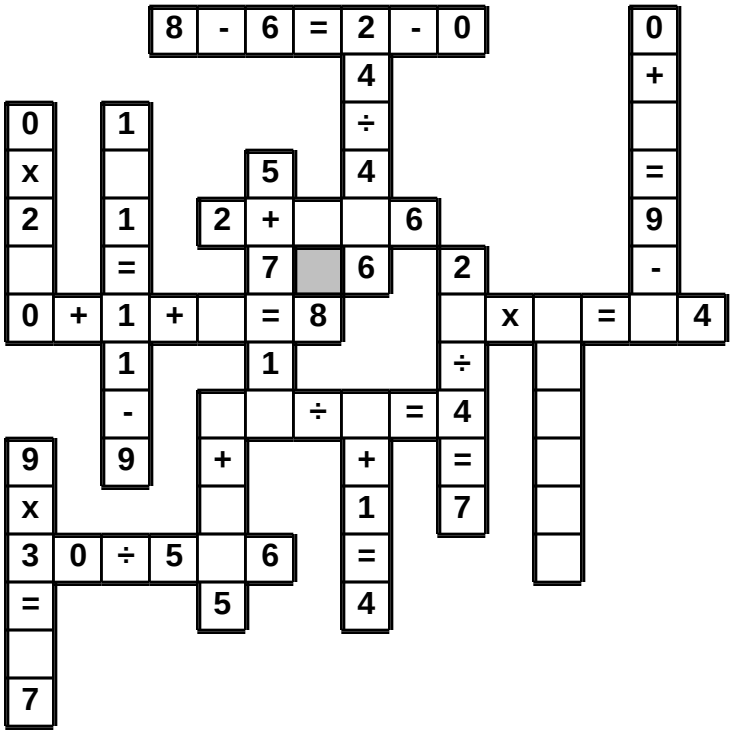
Rewrite $17 + -14$

____ - ____ = ____

Name: _____

7 • + • 4 • = • = • 7 • 8 • 3 • 2 • 2 • 1 • 2 • 3 • ÷ • 8 • 4 • = = • 4 • 2

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



|-5| - z = 7

z =

Rewrite $\frac{9}{25}$ as a decimal.

Simplify.

$\frac{184}{322}$ =

A circle graph has four sections. Only three sections are labeled. The labels are 34.18%, 22.92%, and 16.9%. What should the missing section be?

Rewrite $\frac{17}{20}$ as a decimal.

0.7 (0.4 (0.7 + 9)) =

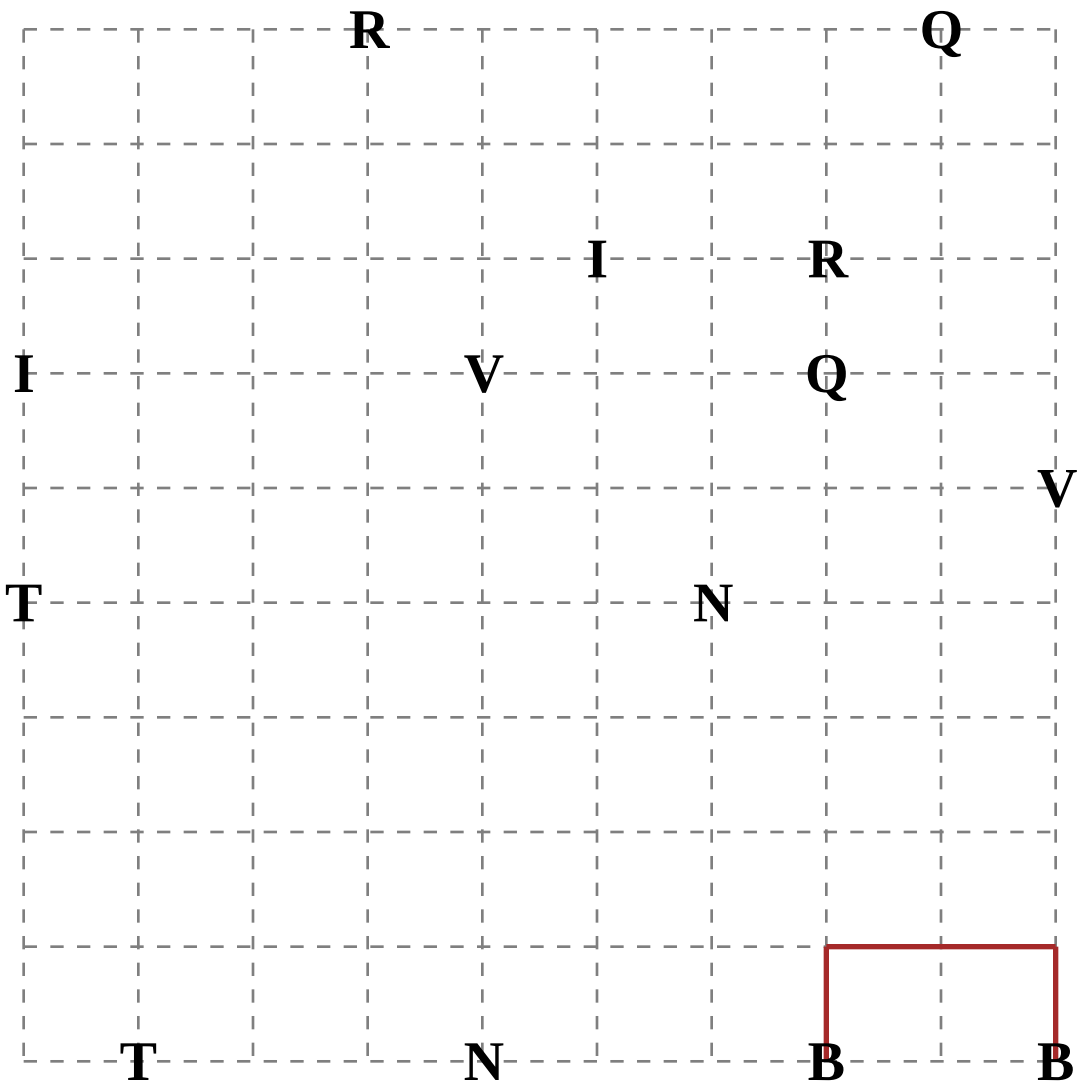
Name _____ Date _____

Letters Kissing

Each of the letters needs to kiss the same letter.

Draw a line that connects one letter to one other letter to kiss. Draw your lines over the trace lines. No lines may cross. Once you draw a line to a letter, that letter cannot be used again.

One complete line has already been drawn for you.

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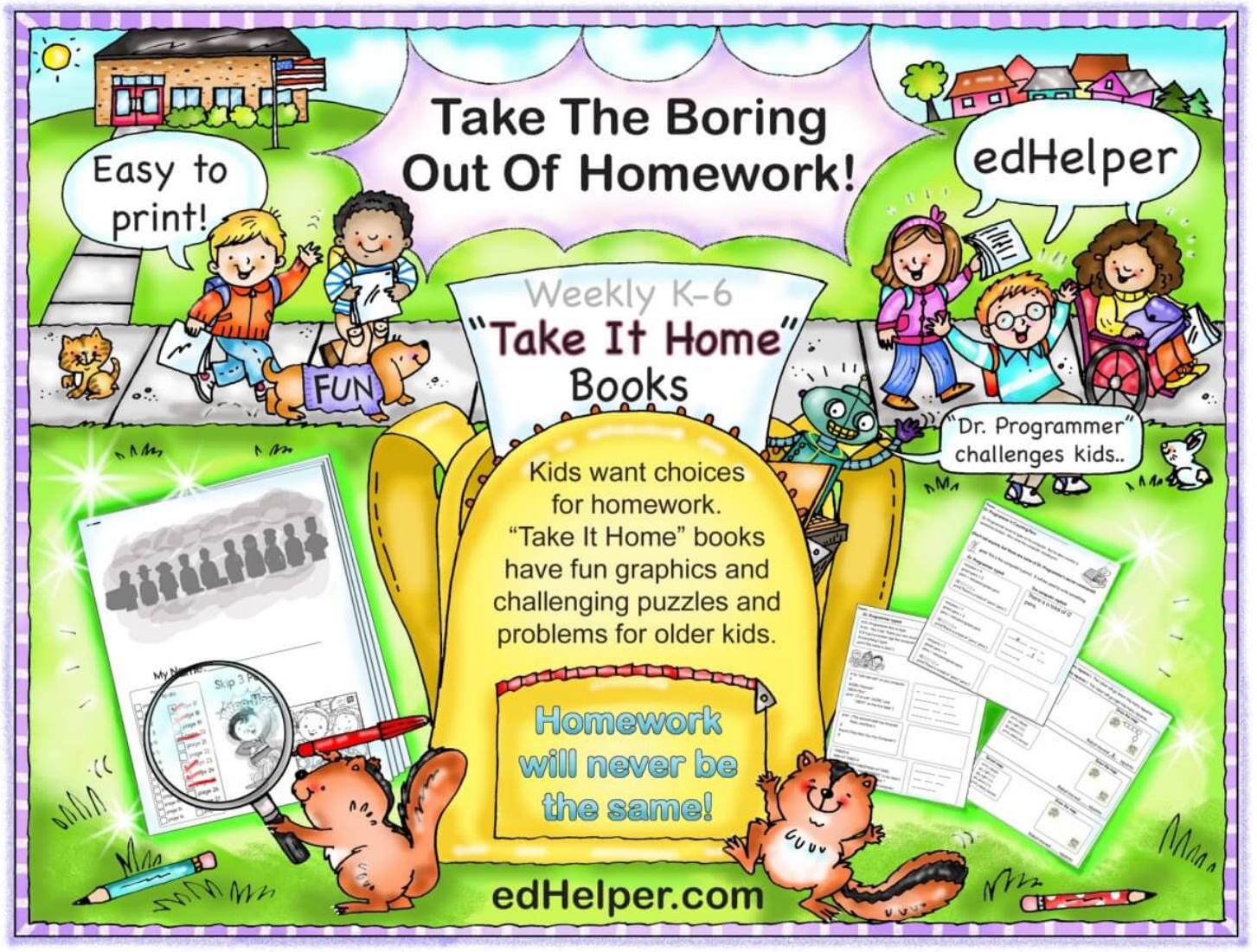
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