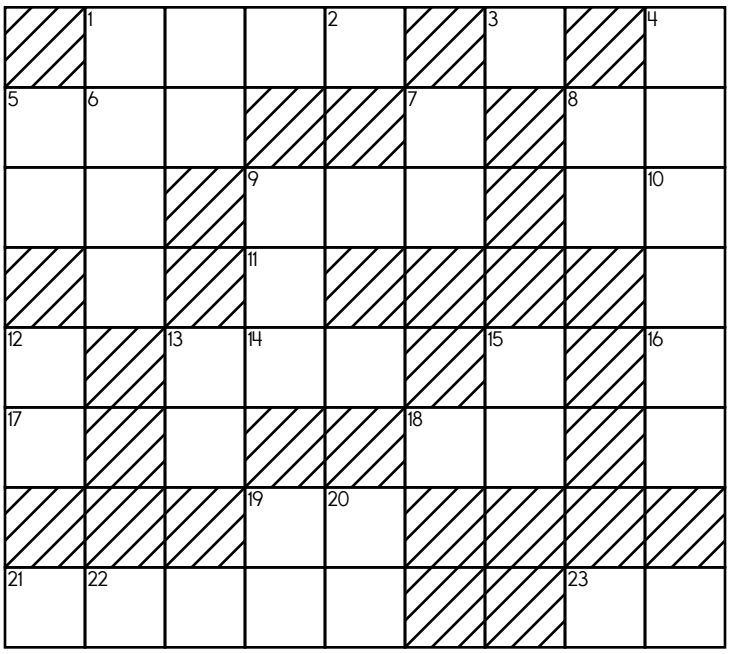
Name: _____

ACROSS

1. Two more than 1-Down
4. Sum of digits of 10-Down
6. The factors of 48 are 1, 2, 3, 4, 6, 8, 12, __, 24, 48.
8. The factors of 30 are 1, 2, 3, 5, 6, __, 15, 30.
9. Five times 14-Across
11. One-third of 7-Down
14. 18-Across plus 12-Down
16. The tens in 10-Down
17. How many factors does 18 have?
18. **23**
21. eighty-three thousand, one hundred fifty-two
23. What is the lowest common multiple of 11-Across and 8-Down?

DOWN

1. Two more than 10-Down
2. How many factors does 6 have?
3. How many factors does 26 have?
4. Its digits total 12
5. Five times 7-Down
7. 4 + 11
8. What is the greatest common factor of 52 and 65?
10. one thousand one hundred forty
12. 16
13. 6 + 14
15. Three less than 12-Down
19. One-third of 5-Down
20. Six more than 17-Across
22. How many factors does 4 have?



Change $\frac{8}{10}$ to a percent.

Change 17% to a decimal.

Write the decimal number for:

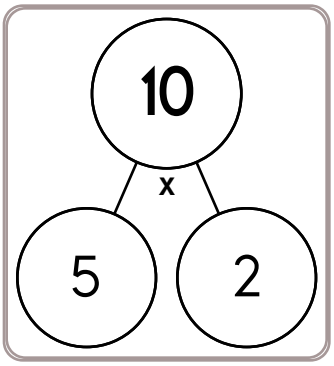
five hundred forty-eight and fifty-eight thousandths

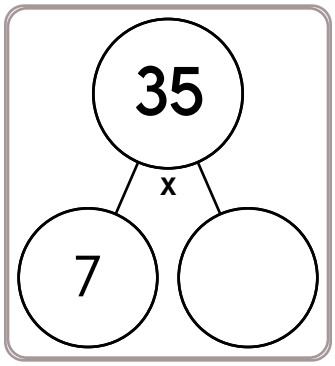
Name: _____

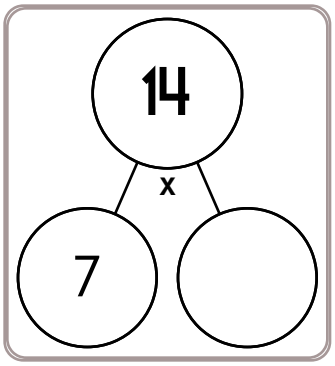
$6\overline{)60}$ $12\overline{)108}$ $5\overline{)35}$ $9\overline{)36}$

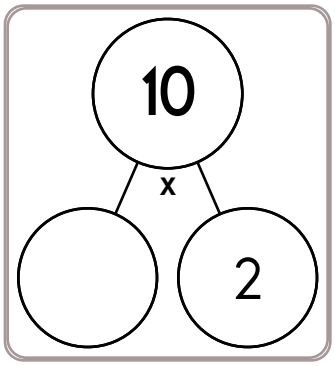
$6\overline{)36}$ $9\overline{)18}$ $10\overline{)50}$ $8\overline{)72}$

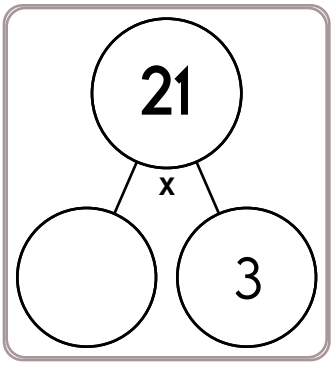
162 ÷ 54 =	160 ÷ 20 =
261 ÷ 29 =	259 ÷ 7 =
483 ÷ 7 =	576 ÷ 6 =
203 ÷ 29 =	256 ÷ 4 =

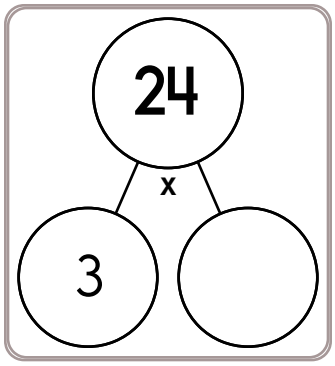


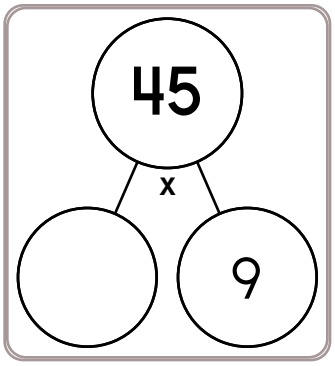


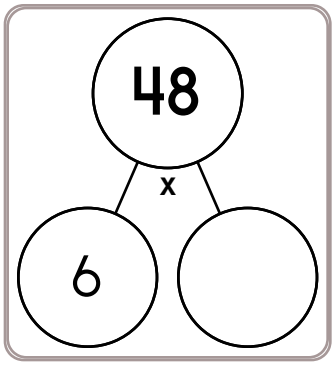




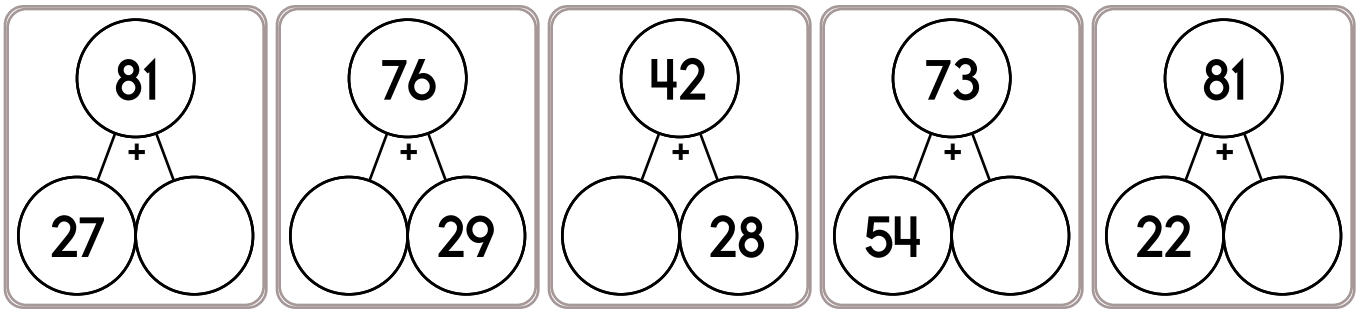


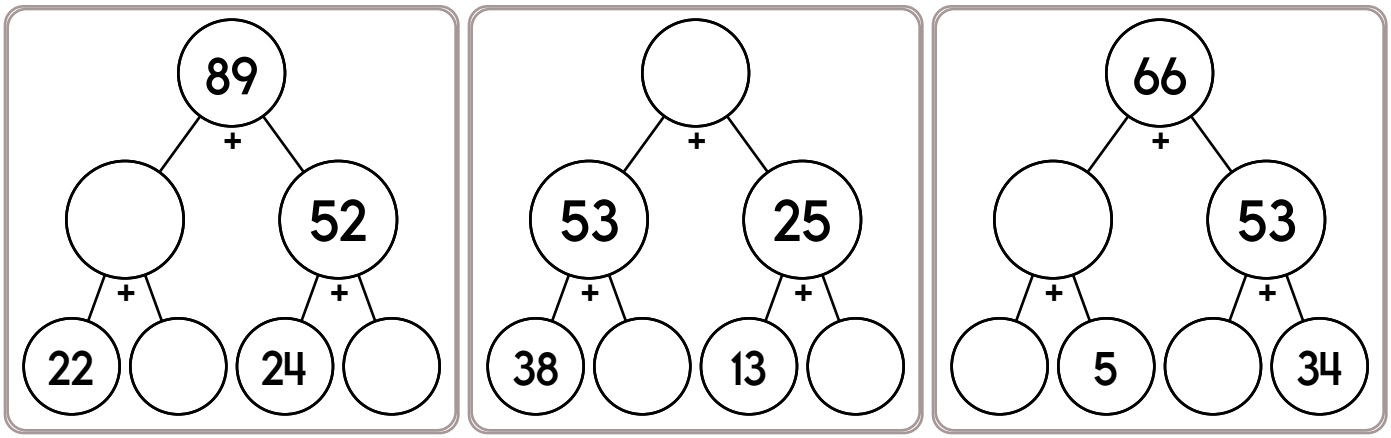


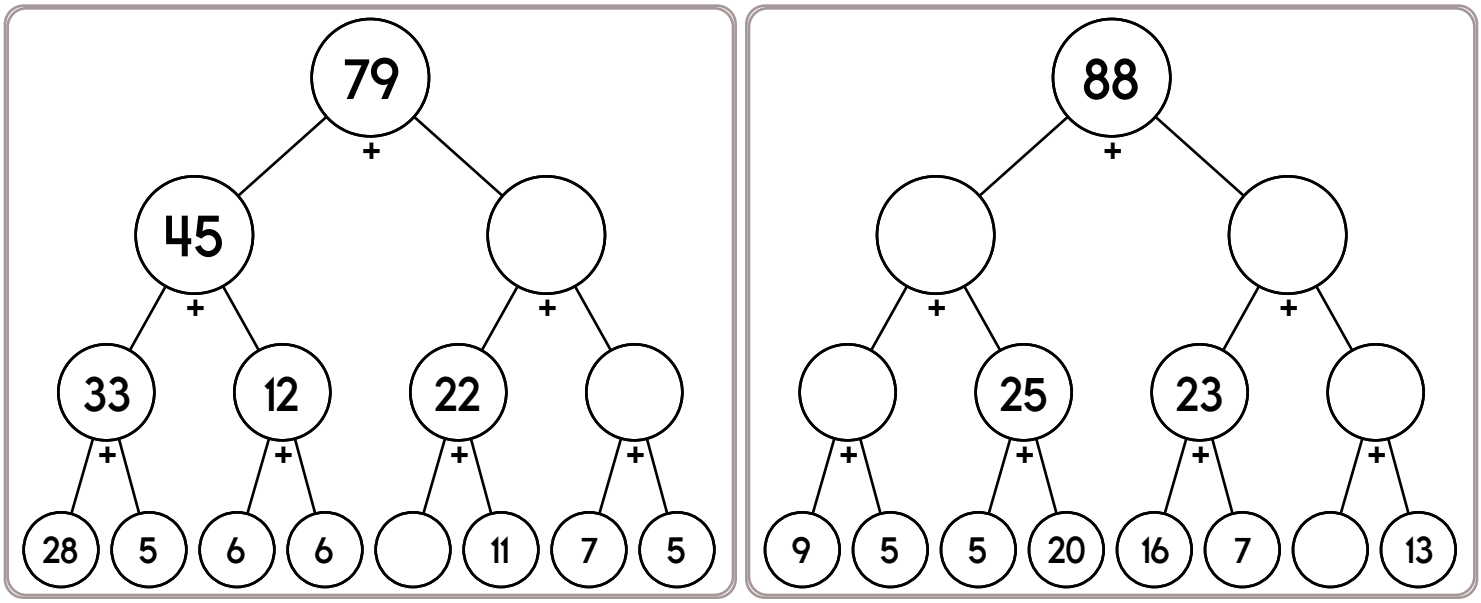




Name: _____







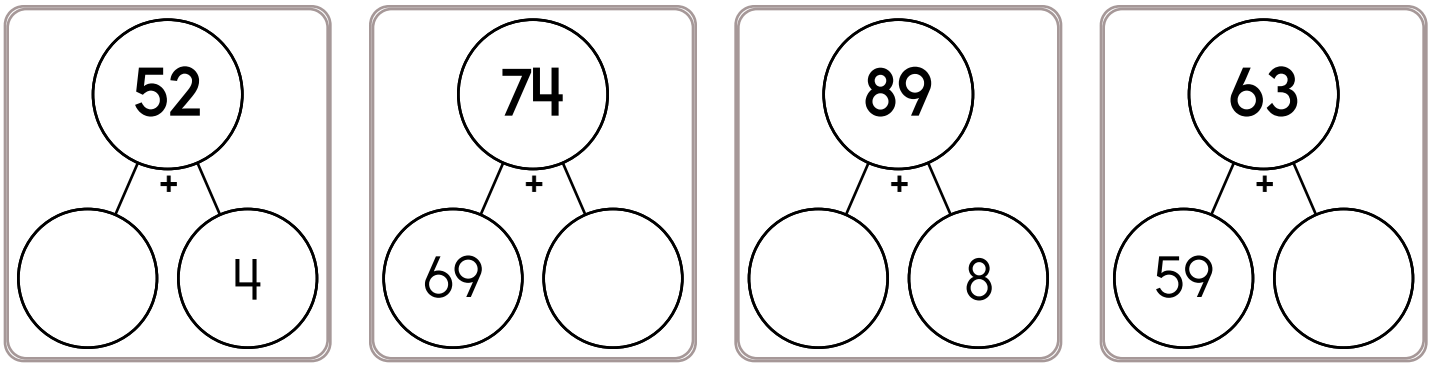
70)7000

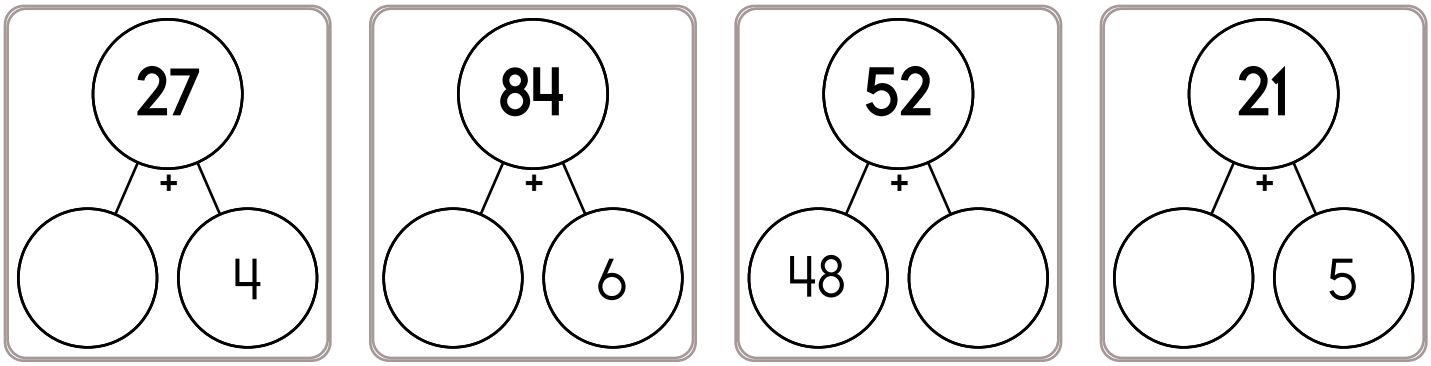
1,588
x 5

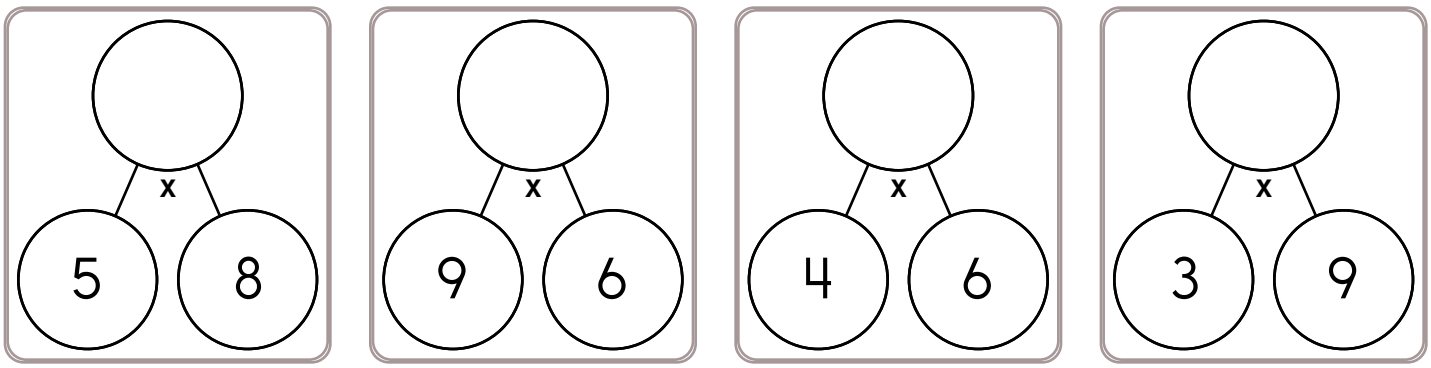
6)108

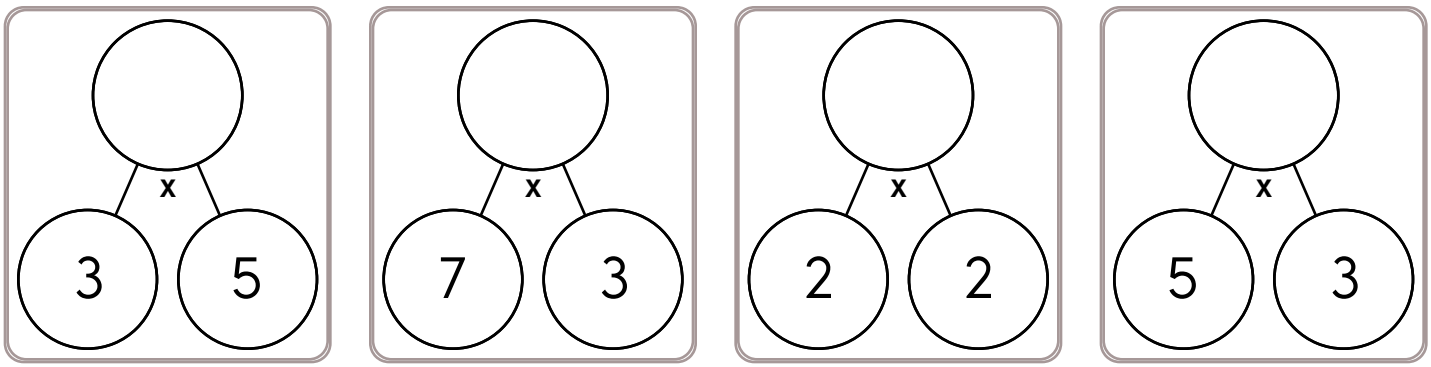
Divide and write remainder.

Name: _____









20	46	96	39	47	44
- 3	- 4	- 4	- 6	- 7	- 2

Name: _____

Captain Mathews wore his hat for eighteen hours every day. If Captain Mathews didn't have his hat on, his boat was anchored. In fourteen days his boat sailed 1,764 miles. What was the average number of miles per hour his boat traveled?

A geyser (Big Bill they call it) in Thermal Park erupts a column of water 20 feet high every 16 minutes. Another geyser in the park (called Mighty Joe) erupts a column 78 feet high every 24 minutes. The eruption cycle of Mighty Joe is what percent longer than that of Big Bill? Round your answer to the nearest hundredth of a percent.

Give two answers for x in each equation.

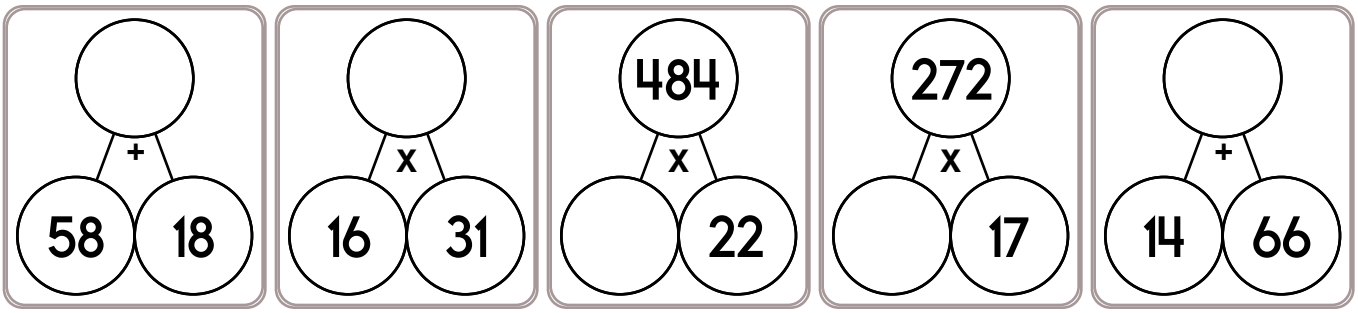
$$|x + 11| = 19$$

$$|-10 - x| = 20$$

Rewrite this mixed number as an improper fraction.

$$6\frac{8}{9}$$

Name: _____



Reduce $\frac{6}{24}$ to its lowest terms.

60 is what percent of 100?

4,488 is how much more than 2,964?

$$\begin{array}{r} 16 \\ 68 \\ +\ 43 \\ \hline \end{array}$$

Find 7% of 180.

$$\begin{array}{r} 14.2 \\ +\ 4.35 \\ \hline \end{array}$$

Change $\frac{6}{8}$ to a decimal.

Find the sum of 114, 506, 981, and 739.

$$\begin{array}{r} 141 \\ 420 \\ +\ 810 \\ \hline \end{array}$$

Name: _____

Mr. Bloop was rummaging around in the supplies drawer and came upon two balls of modeling clay. One ball consisted of about 4 ounces of clay. The other ball appeared to be $6\frac{1}{2}$ times as big. He selected half of the larger ball of clay. About how many ounces of clay did he take?

A sample of chemical Z originally had a mass of 5.5 grams. However, the sample was divided up into parts that were only 0.29 times as large as the original sample, and each of the smaller samples was sent to a different lab for analysis. One lab got a sample that was a bit smaller than the others because the original sample was not an exact multiple of 0.29. What was the mass of the odd sized sample?

David decided to run one mile every 5 days. Eric decided to run two miles every 6 days. If they both start on Monday, March 24, when will they both run on the same day again?

Mr. Moore is making 20 ice cream sodas. He is using $\frac{3}{4}$ cup of ice cream in each soda. How many cups of ice cream will he need?

Ava made a poster for National Pretty Is as Pretty Does Day. The poster was 30 inches x 45 inches. She used .705 of the poster's total area for pictures. What percent of the poster was left for text?

word root **de** can mean **down** **deposit, demolish**

Name: _____

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

(2,306,601,562,500), (153,773,437,500), (10,251,562,500),

(683,437,500), (45,562,500), (3,037,500), (202,500),

(13,500), (900), _____

(991,796,451,840), (55,099,802,880), (3,061,100,160),

(170,061,120), (9,447,840), (524,880),

(29,160), _____, _____

Complete each pattern. Write what the rule is.

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

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

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

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

Add $\frac{1}{5}$

Name: _____

Seafood gumbo, a traditional Mardi Gras dish, uses 13 cups of chicken broth for each $1\frac{3}{4}$ cups of flour. Mr. Hernandez used 10 $\frac{3}{4}$ cups of flour for his gumbo. How many cups of chicken broth did he use?

Mr. Walker is building a stage for the public speaking contest. The stage is $18\frac{1}{4}$ feet wide and $15\frac{3}{4}$ feet long. What is the area of the stage?

If the average marshmallow weighs 0.12 ounces, how much will a bag of 69 marshmallows weigh? Don't forget to include 2.4 ounces for the weight of the bag.

99 ÷ 9 = _____

6 x 3 = _____

What number is halfway between 21 and 42?

Jessica rolls a die. What is the chance of her rolling a 3?

_____

4 x 6 =

$$\begin{array}{r} 390 \\ +\ 420 \\ \hline \end{array}$$

Circle the digit in the hundredths place.

6,281.1417

561 + 215 = _____

1 km = 1,000 m

27 km = _____ m

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

Name: _____

How many ounces are in 5 pounds?

_____ ounces

19 cm = _____ mm

The boys in your class each were given a ticket with a number on it. The numbers given out were: 32, 22, 10, 23, 36, 9, and 40. One ticket will be picked from a hat. What are the chances that the winning ticket number is divisible by 3?

Six-sevenths of the children in Walker's class want to go outside. If Walker agrees with the majority, will the class stay inside or go outside?

8 x 9 =

10 x 9 = _____

$$\begin{array}{r} 50 \\ -\ 37 \\ \hline \end{array}$$

84 ÷ 12 = _____

What is the largest possible product of two two-digit numbers? Show the two numbers.

48 ÷ 12 =

$$\begin{array}{r} 568 \\ -\ 196 \\ \hline \end{array}$$

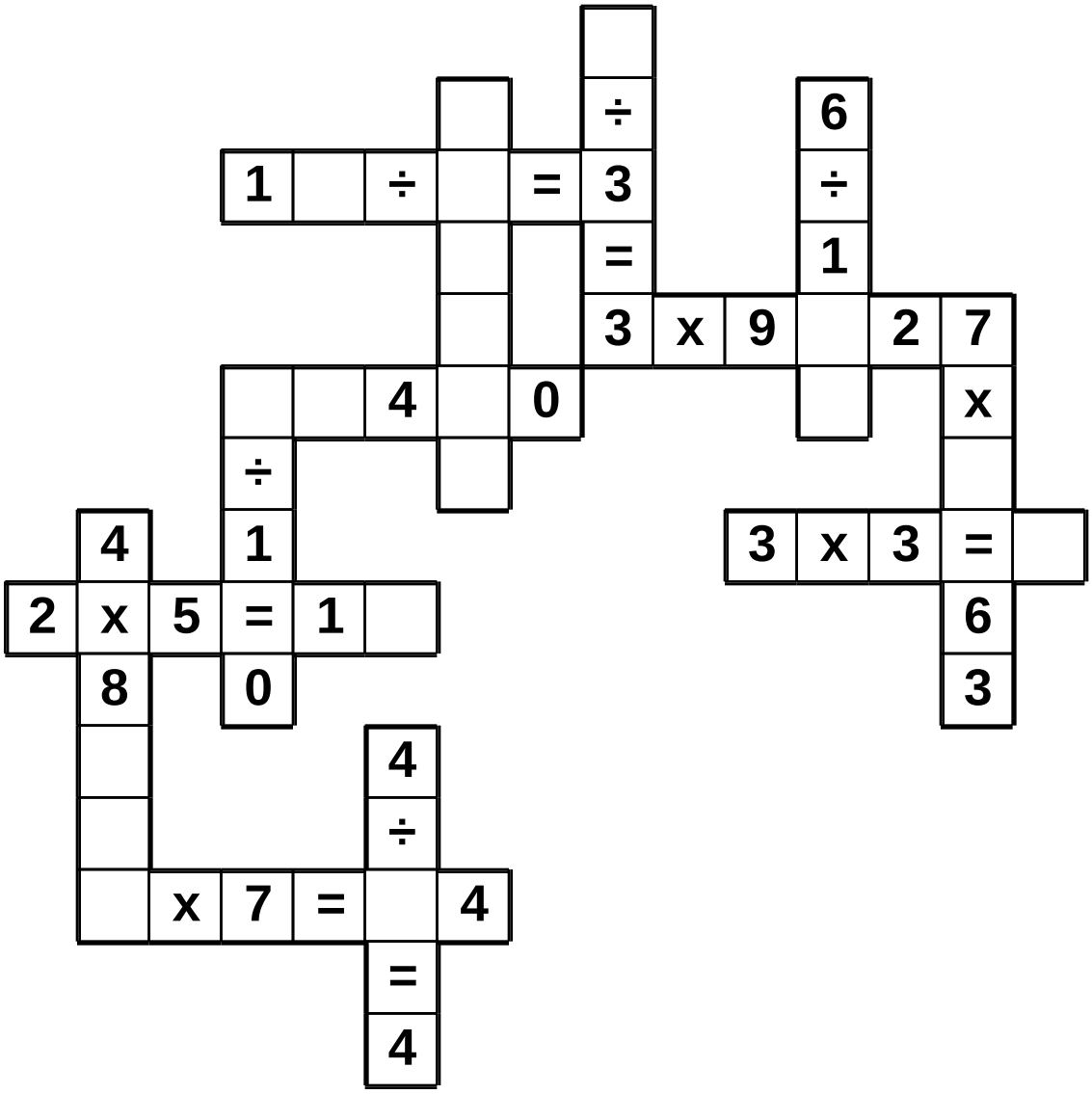
9 x 4 = _____

$$\begin{array}{r} 45 \\ +\ 41 \\ \hline \end{array}$$

Name: _____

9 • 2 • 5 • 5 • ÷ • 5 • = • 0 • ÷ • = • 6 • 5 • 9 • 9 • 0 • =
3 • 2 • 1

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



88 ÷ 8 = _____

24 ÷ 6 = _____

Write the missing family fact.

114 ÷ 19 = 6
19 x 6 = 114
114 ÷ 6 = 19

_____

Circle the addition property for 37 + 77 = 77 + 37.

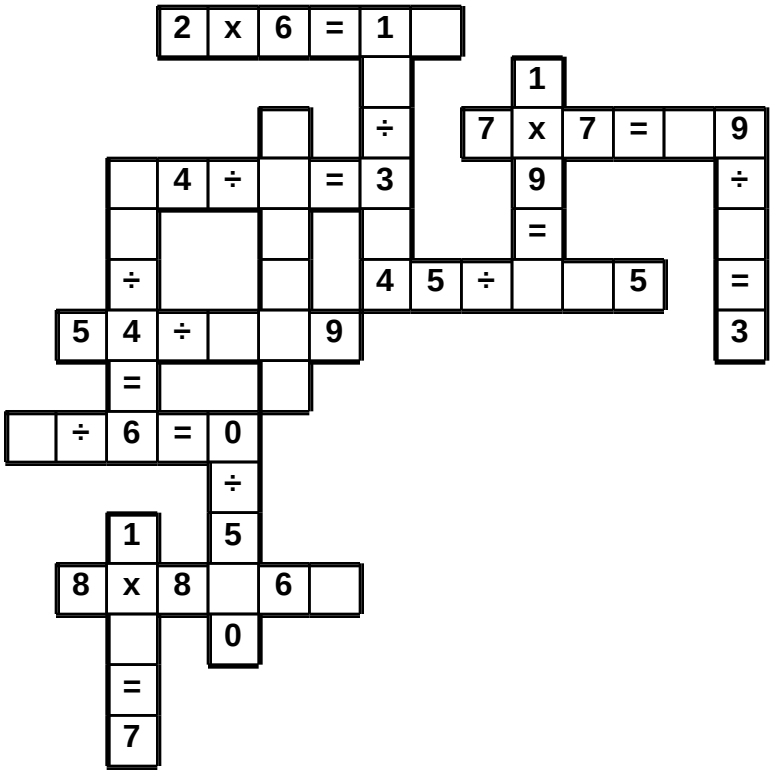
associative property

commutative property

Name: _____

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

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



6,347 - 2,496 = _____

7,161 + 6,212 = _____

Anna likes to change numbers into a secret letter form. Anna changed the number 178,975 to QQQQQQ. Anna changed the number 7,353 to QQQQ. Anna changed the number 28,566 to QQQQQ. Anna changed the number 24 to QQ. How do you think she would change the number 856?

_____

Write an equation to represent this:

The sum of seven and eight is fifteen.

_____

6 x 9 = _____

713 - 551 = _____

24 ÷ 12 = _____

Name: _____

$$\begin{array}{r} \frac{11}{12} \\ +\ \frac{3}{12} \\ \hline \end{array}$$

Write each as a decimal.

$21\frac{71}{100}$ =

$22\ \frac{9}{10000}$ =

$99\frac{4}{10}$ =

$33\ \frac{88}{1000}$ =

Write the decimal number for:

two and eighty-five ten-thousandths

$$\begin{array}{r} \frac{7}{11} \\ +\ \frac{8}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 760 \\ \times\ \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5\ \frac{1}{3} \\ -\ \frac{5}{9} \\ \hline \end{array}$$

Change $\frac{1}{2}$ to a decimal.

Find 20% of 283.

$74\overline{)201}$

Divide and write remainder.

Name: _____

$$8 - 6\frac{2}{11} =$$

Write each as a decimal.

$4\frac{2}{10} =$

$19\frac{59}{100} =$

$17\frac{96}{100} =$

$5\frac{61}{100} =$

$13\frac{30}{100} =$

$6\frac{4}{10} =$

$$\begin{array}{r} 7.9 \\ 8.525 \\ 55.3 \\ +61.32 \\ \hline \end{array}$$

$$\begin{array}{r} 216{,}633 \\ \times \quad 6 \\ \hline \end{array}$$

Rewrite as a vertical equation and solve.

9.76 - 7.54 =

$0.021\overline{)\,0.09219}$

Divide and write remainder.

75 ÷ 6 =

$\frac{1}{3} \div \frac{11}{12} =$

Find 20% of 145.

Name: _____

Sudoku Sums of 7

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 7.

Here is an example of a sudoku sum of 7:

2	5

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

Find 30% of 270.

Write the decimal number for:

one hundred eighty-nine and thirty-five ten-thousandths

Reduce $\frac{40}{70}$ to its lowest terms.

Name: _____

optics • leases • complicate • nationals • triangles • hymn

Each row, column, and box must have all the words from the word list. Write in the missing words.

leases		hymn			
				optics	
	triangles		complicate		
	leases		optics		
				nationals	
		complicate			

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

7,953 + 6,237 = _____

Can 581 be evenly divided by 6? Circle:
581 is evenly divisible by 6
581 is NOT evenly divisible by 6

12 x 9 =

96 ÷ 12 = _____

60 ÷ 10 = _____

667 + 277 = _____

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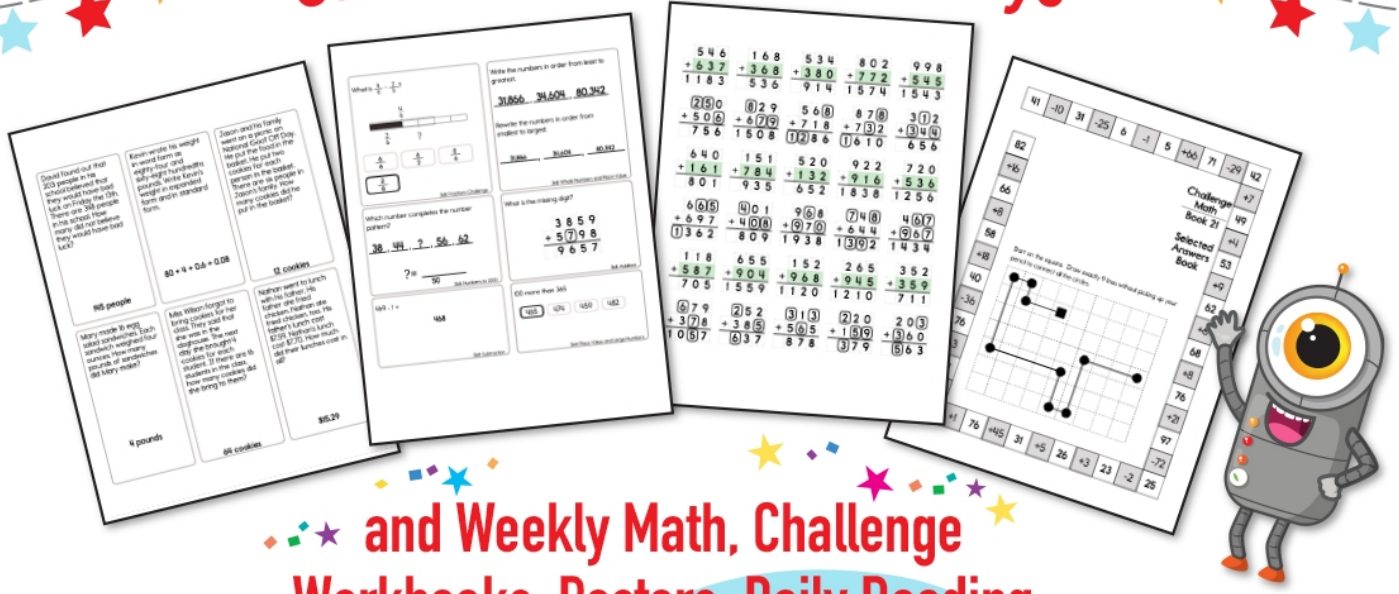

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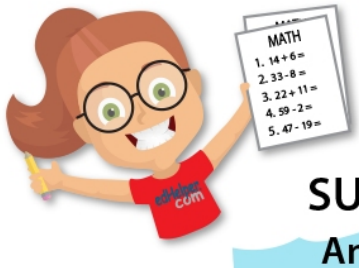

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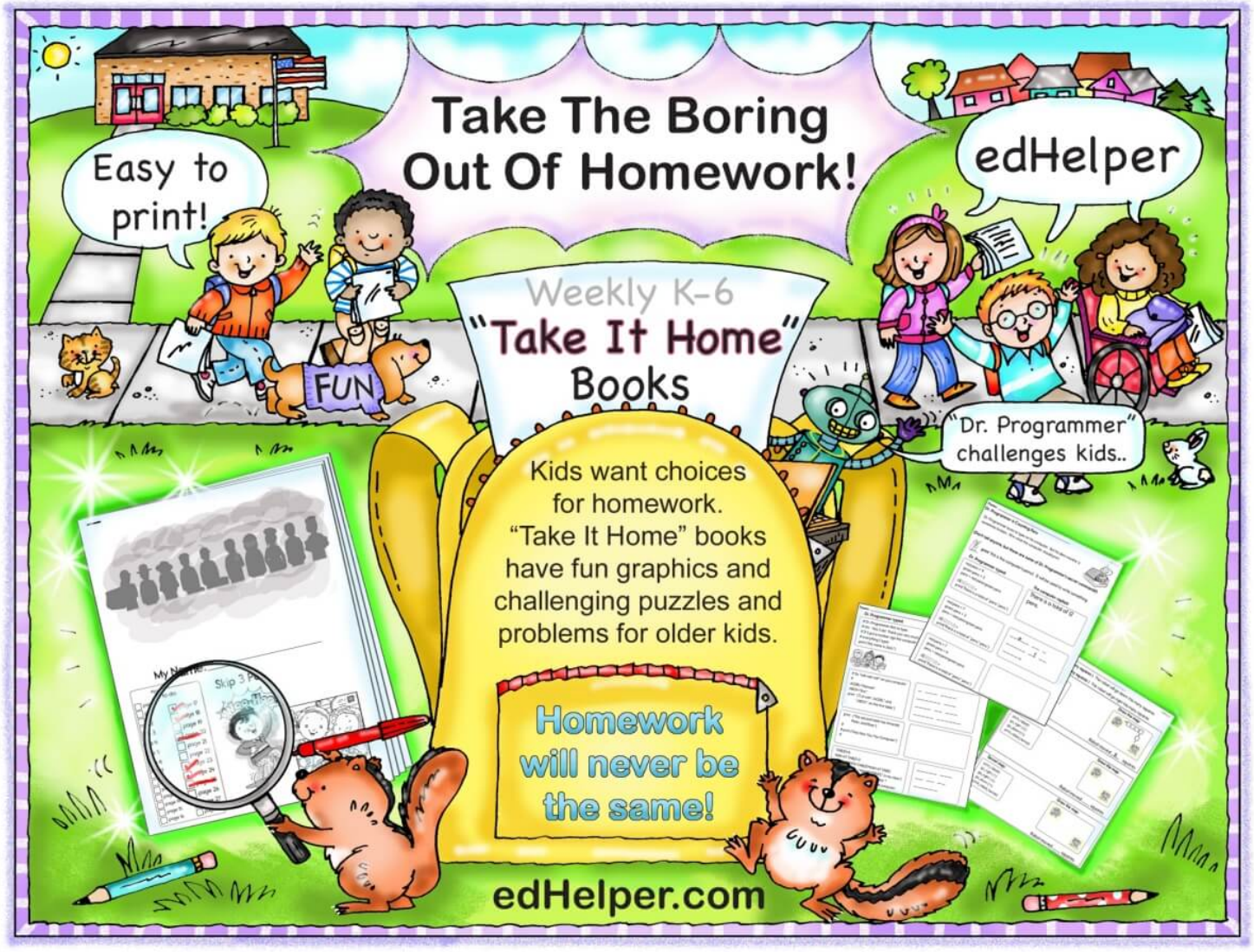
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