















Name: _____




Puzzle:



| | | | | |
|---|---|---|---|-------|
|  |  |  |  | 756 |
|  |  |  |  | 240 |
|  |  |  |  | 882 |
|  |  | 9 | 9 | 2,916 |
| 864 | 1,260 | 324 | 1,323 | X |

Work Area:

















| | | | | |
|-----|-------|-----|-------|-------|
| | | | | 756 |
| | | | | 240 |
| | | | | 882 |
| | | 9 | 9 | 2,916 |
| 864 | 1,260 | 324 | 1,323 | X |

The product for each column and row is given. Blanks use numbers 2 to 9 only.

 = _____
  = _____
  = _____

 = _____
  = _____




Puzzle:


| | | | | |
|---|---|---|---|-----|
|  |  |  |  | 100 |
|  |  |  |  | 32 |
|  |  |  |  | 288 |
|  |  |  |  | 360 |
| 120 | 48 | 720 | 80 | X |

Work Area:

| | | | | |
|-----|----|-----|----|-----|
| | | | | 100 |
| | | | | 32 |
| | | | | 288 |
| | | | | 360 |
| 120 | 48 | 720 | 80 | X |

The product for each column and row is given. Blanks use numbers 2 to 9 only.

 = _____
  = _____
  = _____

 = _____

Name: _____

Circle the greatest amount:

48%

0.37

$\frac{8}{25}$

$$443 \div 10$$

$$9.1377 \times 10^4 =$$

In what quadrant would you find the point (3, -7)?

$\$82 - p = \20
What is the value of p?

$$5 + 8 \cdot 4 + 12$$

120, 112, 109, 100, 98,
88, 87, _____, 76, 64,
65, 52, 54, 40

Emily told the class that they should drink about 1.92 liters of water per day. There are 21 kids in the class, including Emily. They will all try to do that. How much water will the class drink in a day?

Dr. Rock discovered a new planet. As he explains it, this new planet has a diameter that is 4.13 times that of Earth's. If Earth's diameter is 12,756 kilometers. What is this new planet's diameter?

15, 17, 19, _____, 23,
25, 27

Each side of a regular pentagon is 68.6 centimeters. What is the perimeter?

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

Name: _____

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

If

$$1, 3 = 4$$

$$2, 6 = 8$$

$$3, 9 = 12$$

$$4, 13 = 17$$

Then

$$5, 16 = ?$$

If

$$8, 4 = 12$$

$$9, 7 = 16$$

$$10, 11 = 21$$

$$11, 16 = 27$$

Then

$$12, 21 = ?$$

Complete each pattern. Write what the rule is.

38, 43, 48, 54, 60, 67, 74, 82,

90, 99, 108, _____, _____, 139, 150, 162

48, 53, 58, 64, 70, 77, _____,


_____, 100, 109, 118, 128, 138, _____

19, 24, 29, 35, 41, _____, _____, 63,

71, 80, _____, 99, 109, 120, 131, 143

Name: _____

| | | |
|--|--|--|
| Robert fell asleep and had a very strange dream. On the first day of his dream he was only 1-inch tall. Every day after that his height doubled. How tall was he at the end of the 10th day? | Anne is drawing a mural of the night sky on black poster board with white chalk. If she uses up a stick of chalk at the rate of one stick every seven minutes, and she works on her mural from 8:30 a.m. until 9:19 a.m., how many sticks of chalk will she use? | Mrs. Moore bought three pizzas to share with her class. The pizzas were very large and had lots of pepperoni and cheese on them. Each pizza was cut into 8 pieces. Twenty-one pieces were eaten. What fraction of the pizzas was left? |
|--|--|--|

| | |
|---|---|
| $44 \div 11 =$ $\begin{array}{r} 435 \\ - 283 \\ \hline \end{array}$  | Erin is a family friend. She will be picking you up from school and driving you to a supermarket. Where should she go? Write instructions to explain how she could get there and where you will be going. |
|---|---|

| | | |
|----------------------|--|---|
| $6 \times 7 =$ _____ | Rewrite these in increasing order of length: 701 mm, 842 cm, 948 dm, 68 km, 5 m | $\begin{array}{r} 31 \\ + 42 \\ \hline \end{array}$ |
|----------------------|--|---|

Name: _____

| | | |
|--------------------|--|---|
| $4 \div 2 =$ _____ | Write the missing family fact. $62 + 92 = 154$ $154 - 62 = 92$ $154 - 92 = 62$ _____ | $\begin{array}{r} 91 \\ - 76 \\ \hline \end{array}$ |
|--------------------|--|---|

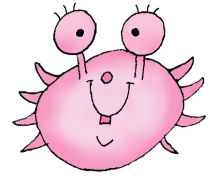
| | | |
|---|--|---------------------------------------|
| $1 \text{ cm} = 10 \text{ mm}$ $14 \text{ cm} =$ _____ mm | Wendy likes to change numbers into a secret letter form. Wendy changed the number 598 to AAA. Wendy changed the number 35 to AA. Wendy changed the number 1,925 to AAAA. Wendy changed the number 834,135 to AAAAAA. How do you think she would change the number 64,879? _____ | $11 \times 12 =$ $24 \div 6 =$ |
| $9 \times 5 =$ _____ | | |
| $10 \times 11 =$ | | |

| | |
|-------------------------|---|
| $9,545 - 8,835 =$ _____ | Ava got a new soccer shirt. Can you guess the number on the back of her shirt? It has two digits. The digits add up to 5. The larger digit is 3 more than the smaller digit. The number is odd. |
| $367 + 969 =$ _____ | |
| $7 \times 9 =$ _____ | |



| | | |
|---|---------------------|---|
| How many feet are in 2 yards? _____ feet | $21 \div 7 =$ _____ | $\begin{array}{r} 313 \\ + 441 \\ \hline \end{array}$ |
|---|---------------------|---|

Name: _____



The vowels are missing in the word search.
Fill in the missing vowels and circle the words.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| G | D | R | S | L | | | T | | W |
| | | | L | | D | R | | G | |
| L | | L | I | | D | C | D | | N |
| L | D | | F | D | | B | | M | D |
| | B | C | E | V | N | R | | | |
| R | | T | G | | W | | B | R | R |
| Y | R | | U | N | R | | L | | F |
| K | D | N | A | C | | T | | T | |
| | | T | R | | P | H | Y | T | L |
| | R | R | D | N | B | L | | M | |

BLAME • SLEET • DRUG • BORDER
RELUCTANT • DEAD • MERIT
GALLERY • WONDERFUL • ADVANCE
BREATH • DOUBLE • LIFEGUARD
UNWRAP

$24 \text{ kg} = \text{_____ g}$

$64 \div 8 = \text{_____}$

$96 \div 12 = \text{_____}$

What number is halfway
between 5 and 15?

$3 \times 3 = \text{_____}$

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

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

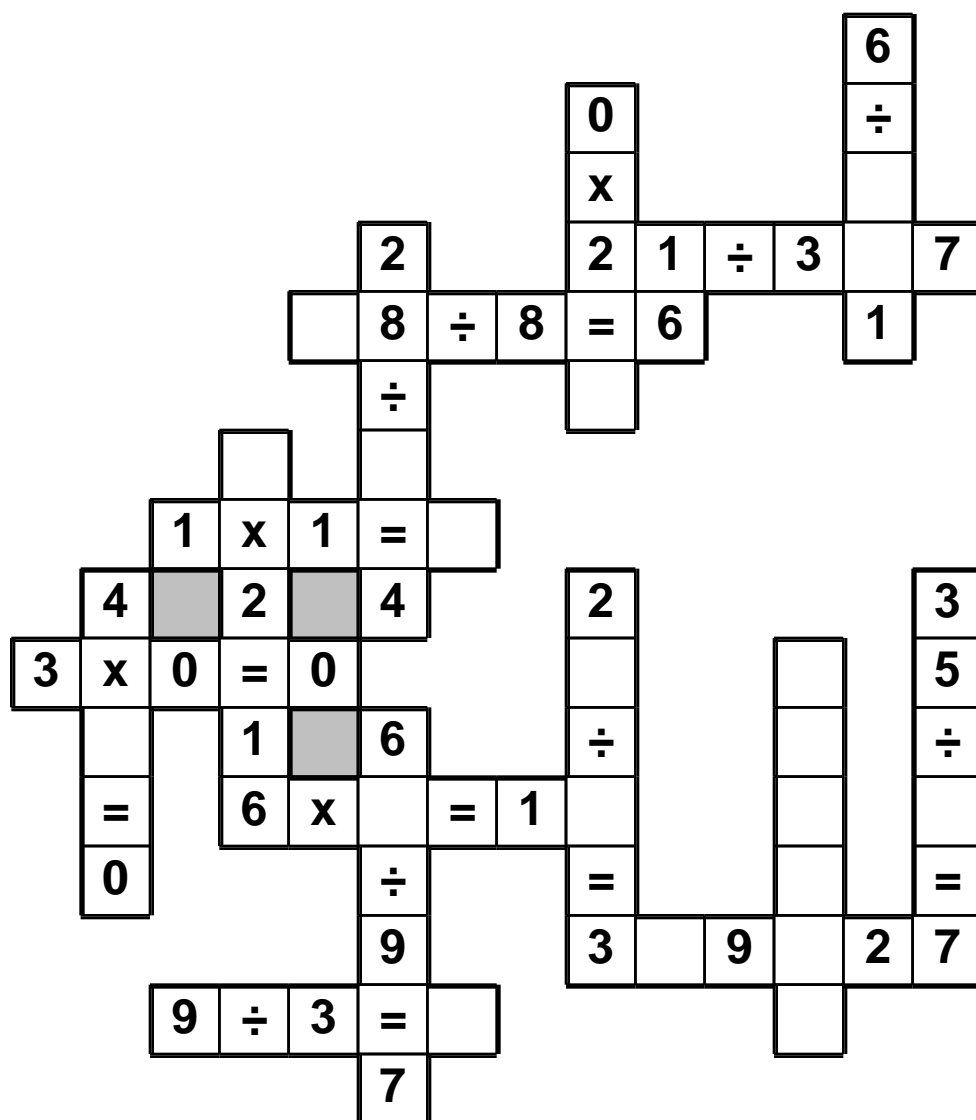
five hundred ninety-seven thousand, one
hundred fifty-eight

$7 \times 3 = \text{_____}$

$96 \div 12 = \text{_____}$

$(4 + 5) + 8 = \text{_____}$

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



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

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



Name: _____

Aaron, Jacob, Andrew, and Matthew each have one brother (Nicholas, Anthony, Michael, and Joshua) and one sister (Sarah, Savannah, Brianna, and Samantha).

Who is each person's brother and sister?

1. Matthew is older than his sister Sarah.
2. Andrew played with his brother Michael outside.
3. Aaron's sister and Brianna were talking on the phone. They are not in the same family.
4. Andrew invited Sarah and Savannah over to his family's house for dinner.
5. Anthony helped his sister Savannah with her homework.
6. Jacob went to the mall with his sister, but not with his brother. Anthony and Nicholas went with Jacob as well.
7. Aaron played with his brother Anthony outside.
8. Joshua helped his sister Samantha with her homework.

Aaron's brother is _____ and Aaron's sister is _____.

Jacob's brother is _____ and Jacob's sister is _____.

Andrew's brother is _____ and Andrew's sister is _____.

Matthew's brother is _____ and Matthew's sister is _____.

$8 \times 12 =$

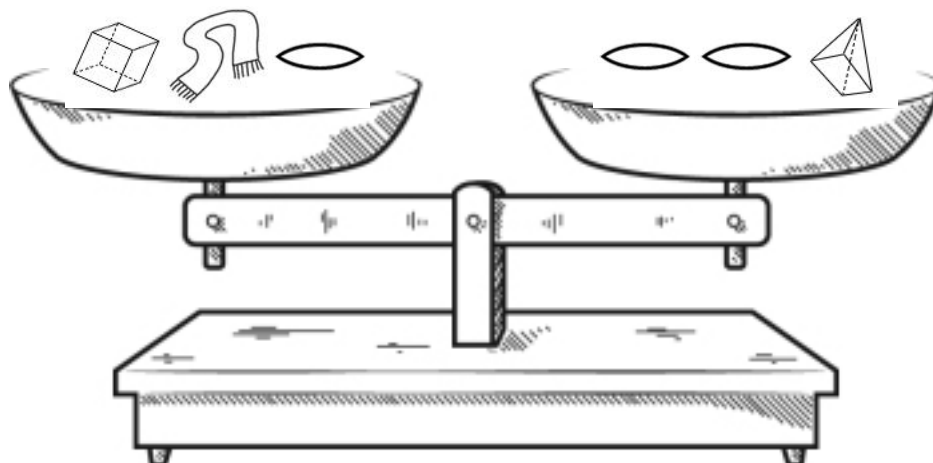
$858 - 642 =$

$63 \div 9 =$

Can 788 be evenly divided by 3? Circle:
788 is evenly divisible by 3
788 is NOT evenly divisible by 3

Can 378 be evenly divided by 9? Circle:
378 is NOT evenly divisible by 9
378 is evenly divisible by 9

Name: _____



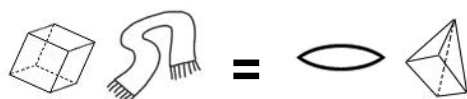
☐ True

☐ False



☐ True

☐ False



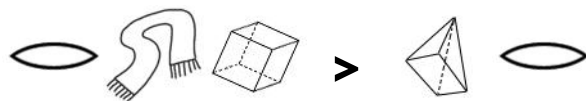
☐ True

☐ False



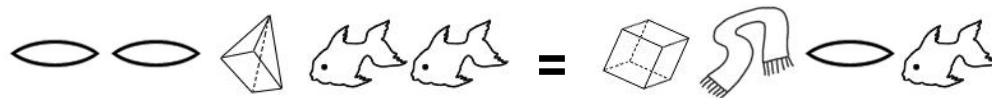
☐ True

☐ False



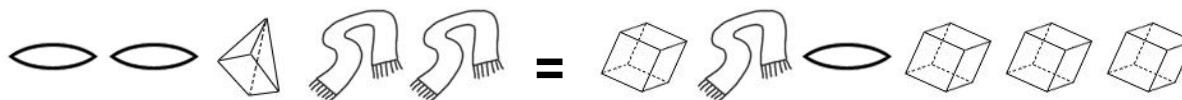
☐ True

☐ False



☐ True

☐ False



☐ True

☐ False

Did you find that three are true? If not, look again!

Hint: If you see the same pieces on both sides, you might need to remove both pieces.

You should only mark TRUE if you are absolutely sure it is correct!

Name: _____

What number is 377 less than 474?

$$\begin{array}{r} 55 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 2,238 \\ - 968 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 492 \\ + 92 \\ \hline \end{array}$$

$$\begin{array}{r} 540,213 \\ - 4,336 \\ \hline \end{array}$$

Find the product of 66 and 9.

$$\begin{array}{r} 519 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times 21 \\ \hline \end{array}$$

$$3 \overline{) 5722}$$

Divide and write remainder.

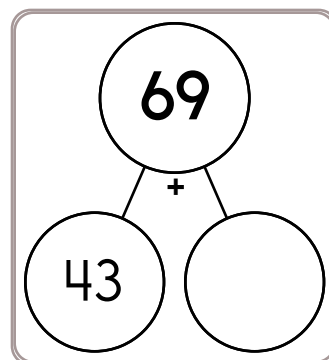
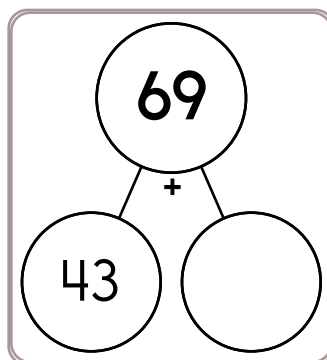
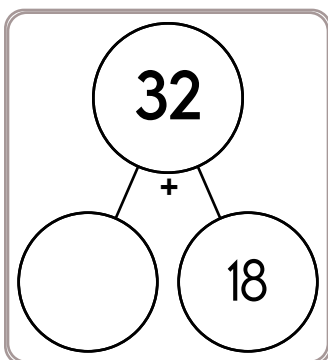
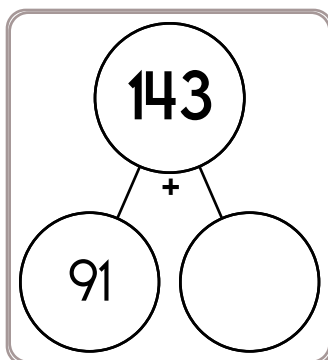
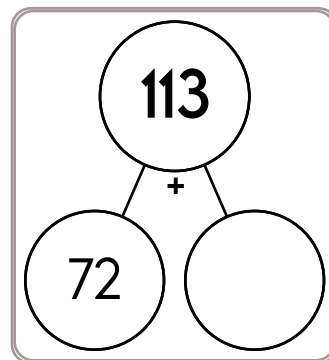
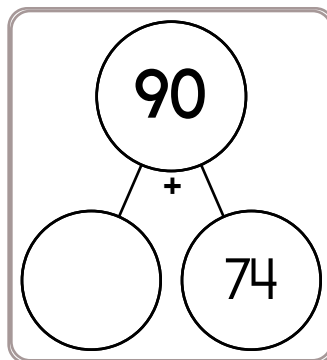
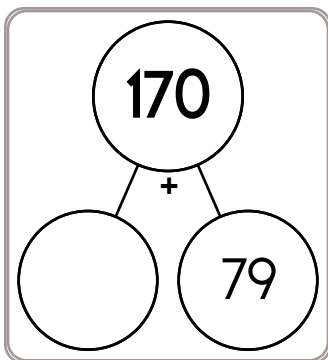
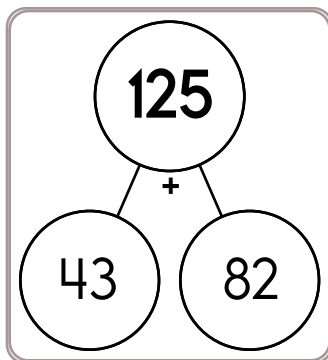
$$50 \overline{) 7550}$$

Divide and write remainder.

$$23 \overline{) 1729}$$

Divide and write remainder.

Name: _____



$$\begin{array}{r} 89 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 71 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 17 \\ \hline \end{array}$$



$66 - \underline{\quad} = 16$

$86 - \underline{\quad} = 42$

$\underline{\quad} - 20 = 19$

$\underline{\quad} - 16 = 44$

$59 - \underline{\quad} = 7$

$80 - \underline{\quad} = 26$

$\underline{\quad} - 15 = 81$

$\underline{\quad} - 42 = 12$

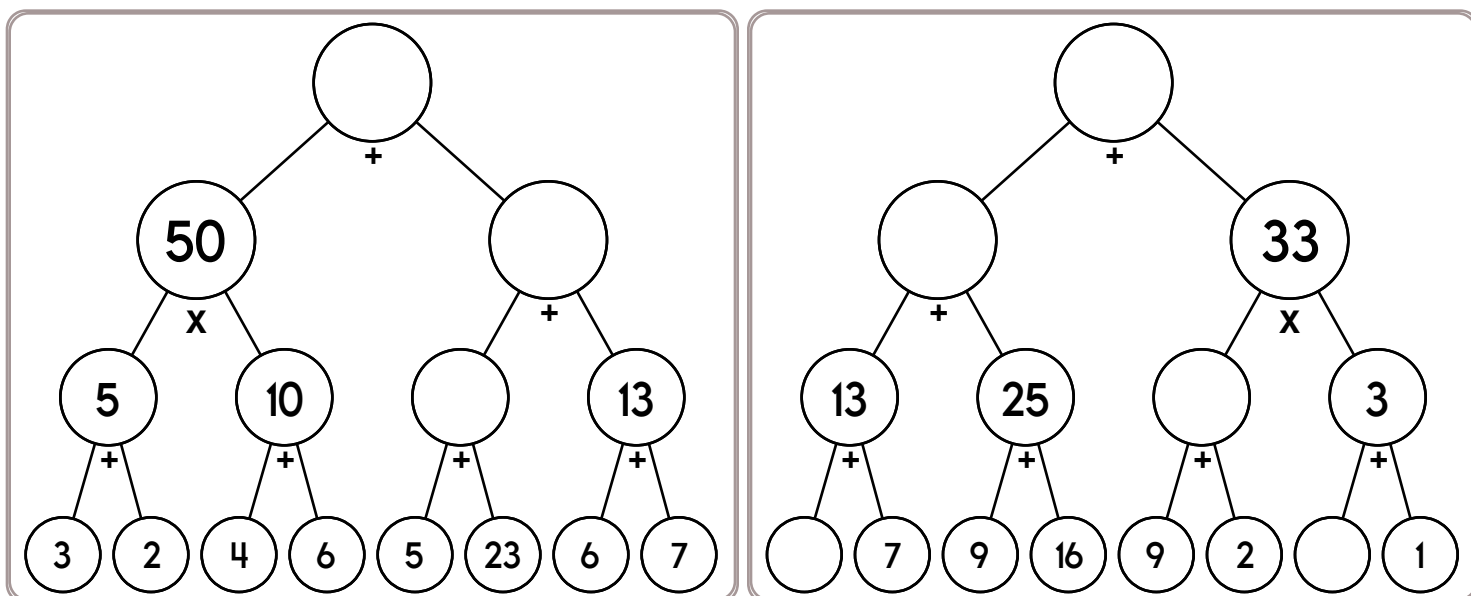
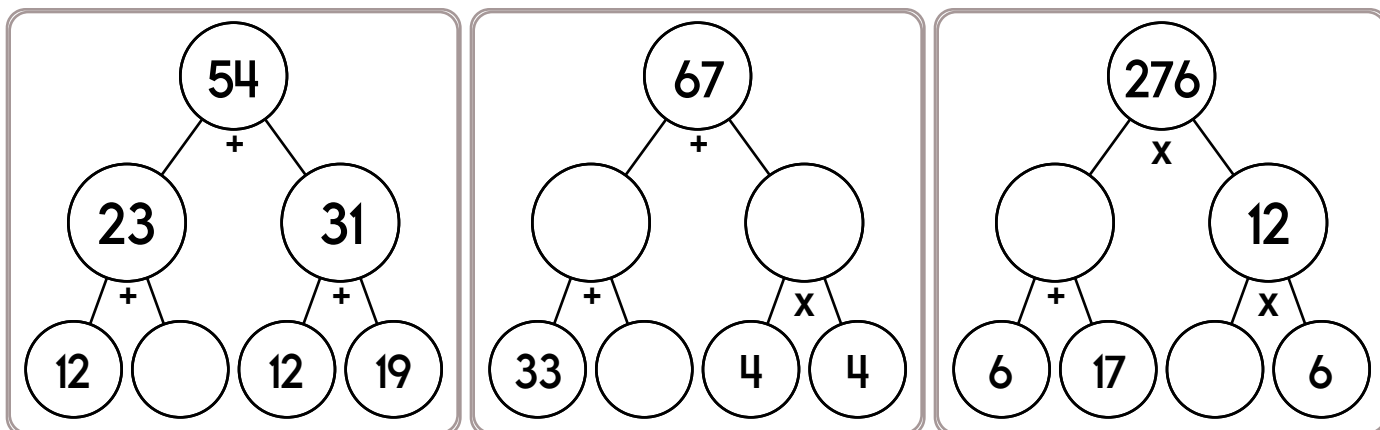
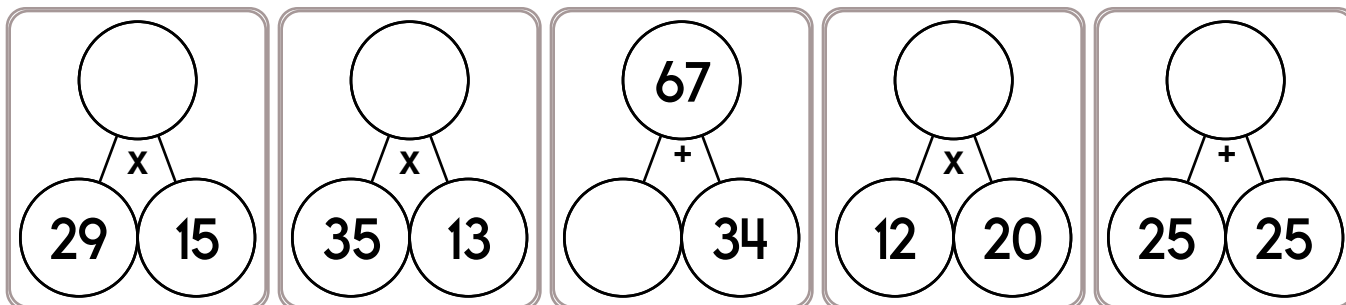
$\underline{\quad} - 27 = 47$

$67 - \underline{\quad} = 41$

$97 - \underline{\quad} = 60$

$\underline{\quad} - 62 = 31$

Name: _____



$$\begin{array}{r} 0.7 \\ - 0.2 \\ \hline \end{array}$$

Find the difference
between 15.8 and 5.1.

Find the difference
between 17.1 and 2.4.

Name: _____

Cross off the number that does NOT belong.

$$31\frac{1}{3}, 28\frac{5}{6}, 28\frac{1}{6}, 25\frac{2}{3}, 25, 22\frac{1}{2}, 21\frac{5}{6},$$

$$19\frac{1}{3}, 18\frac{2}{3}, 16\frac{1}{6}, 15\frac{1}{2}, 15^{^^}, 13, 12\frac{1}{3}$$

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

9, 15, 11, 35, 61, 107, 198, 203, 371, 681, 1255, 2307, 4243, 7805, 14355

Why does _____ not belong in the pattern?

Name: _____

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

25 50 15 30 18 34

144 99 19 15 32 22

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted sends an average of 55 texts in only 4 minutes. At precisely 3:25 Ted finally sat down outside of school to play his phone. He played his phone until 3:58 when his phone ran out of power. How many texts do you think Texty Ted sent?

Name: _____

What is the least common multiple for each of the number sets?

The least common multiple of 10 and 16 is _____

The least common multiple of 9 and 14 is _____

The least common multiple of 7 and 11 is _____

The least common multiple of 12 and 15 is _____

The least common multiple of 10 and 12 is _____

What is 5% of 73?

Name: _____

envelope • dairy • testimony • pardons • establish • pasture

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

| | | | | | |
|---------|-----------|---------|----------|-----------|---------|
| | | pasture | | | |
| | establish | | | | |
| pasture | | | envelope | testimony | |
| | | pardons | | dairy | pasture |
| | | | | pardons | |
| | | | dairy | envelope | |

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

Jessica is going to roll two dice.
What is the chance that her total
will be either 8 or higher on her
first roll?

$24 \div 4 = \underline{\hspace{2cm}}$



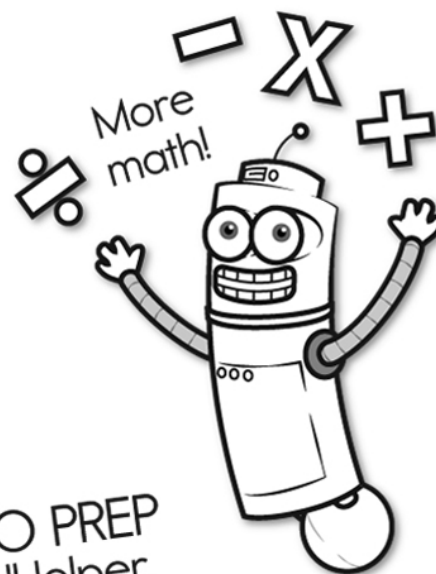
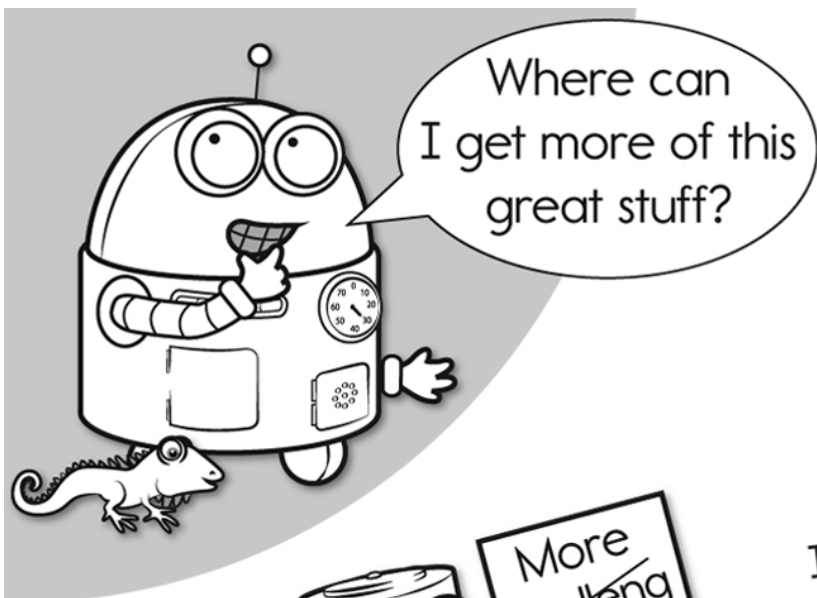
$912 + 694 = \underline{\hspace{2cm}}$

The letters B and U each
have a line of symmetry.
Name another letter
between B and U that has a
line of symmetry.

$10 \times 5 = \underline{\hspace{2cm}}$

Circle the smallest number:
982,473,635,728 57,243,689
102,190 7,465,386,150

$20 \div 5 = \underline{\hspace{2cm}}$

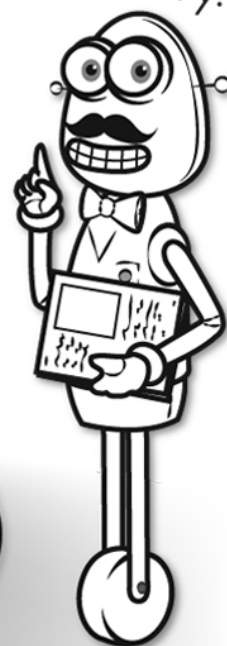


It's NO PREP at edHelper.

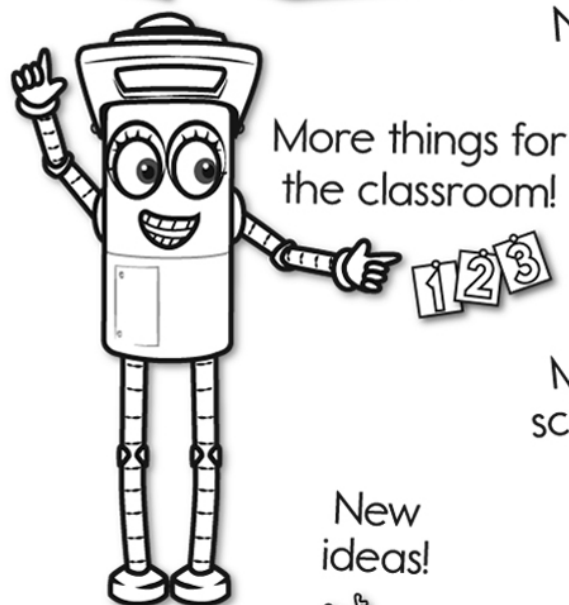
More history!



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1 2 3



New ideas!



\times
 $\times =$
 $- \div$
 $< - >$

More puzzles!

