

Name: _____

Solve for the unknown value. Hint: It is a positive whole number.

$$y + 40 = 90 \quad y = \underline{\hspace{2cm}}$$

$$10m = 100 \quad m = \underline{\hspace{2cm}}$$

$$30 + y = 77 \quad y = \underline{\hspace{2cm}}$$

$$z + 45 = 99 \quad z = \underline{\hspace{2cm}}$$

$$41 + y = 82 \quad y = \underline{\hspace{2cm}}$$

198 is what percent of 330?

Change $\frac{261}{27}$ to a mixed number.

$$\begin{array}{r} 432.4 \\ + 676.739 \\ \hline \end{array}$$

$$\begin{array}{r} 4\frac{5}{9} \\ 7\frac{6}{9} \\ + 5\frac{6}{9} \\ \hline \end{array}$$

Write the decimal in words.
11.009

$$\begin{array}{r} 4 \\ 7 \\ + 7 \\ \hline \end{array}$$

Name: _____

Robert took a big bowl from the kitchen to see what kind of fun party mix he could create.

He added $\frac{1}{2}$ cup of Cheerios, $\frac{1}{3}$ cup of raisins, $1\frac{4}{5}$ cups of Goldfish crackers, and $\frac{5}{7}$ cup of pretzels. How many cups of food are now in the bowl?

The perimeter of a rectangle is 24 cm. The longer side is 9 cm. How long is the shorter side?

11, 13, 15, _____, 19, 21, 23

90 divided by 9 equals

How many minutes is it from 7:00 a.m. to 11:30 a.m.?

What is 50% of 1,132?

What 4 coins add up to 56 cents?

$66 \div 11 =$ _____

Circle the smallest number:

18,572,065,041 267,941
372,986,698,134 3,508,934

Name: _____

Mr. Brown reads the newspaper 4 hours each week. Mrs. Brown reads the newspaper 2 hours each week. How many more hours does Mr. Brown read the newspaper in 6 weeks than Mrs. Brown?

Gavin played for his high school team last year. He hit a home run one-seventh of the times he was at bat. He was at bat 28 times. How many home runs did he hit?

The (make-believe) country of Slowmonia, after 23 years of research, launched a rocket into space to land on Pluto. It is slow! It travels 3.225 kilometers in a month. How far will it travel in 91 years?

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 840 mph. How far will it go in 30 minutes? Round your answer to the nearest mile.

Name: _____

$$7 \overline{) 665}$$

Divide and write remainder.

$$943 \times 81 =$$

$$57 + 664 + 84 =$$

$$5 \overline{) 151}$$

Divide and write remainder.

$$\begin{array}{r} 396 \\ + 14 \\ \hline \end{array}$$

Divide and write remainder.

$$37 \div 3 =$$

$$\begin{array}{r} 69 \\ 48 \\ + 82 \\ \hline \end{array}$$

Divide and write remainder.

$$27 \div 9 =$$

$$\begin{array}{r} 399 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 7,063 \\ - 752 \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ - 423 \\ \hline \end{array}$$

$$\begin{array}{r} 88,344 \\ - 21,992 \\ \hline \end{array}$$

Name: _____

| | | |
|---|--|---|
| <p>Emma crocheted a tablecloth for her parents for Parent's Day. She worked $2\frac{1}{4}$ hours each day for seven days to make the tablecloth. How many hours did she work in all?</p> | <p>If it takes 1.5 yards of denim to make a pair of Levis in size 10, how much denim does it take to make 29 pairs of size 10 jeans?</p> | <p>The monthly premiums for Mr. Martin's life insurance are \$16.62. At that rate, what is the yearly cost for Mr. Martin's life insurance?</p> |
|---|--|---|

| | | |
|--|---|--------------------|
| <p>55,182 - 31,849 = _____</p> | <p>31% of 100 is 31. 31% of 200 is 62. 31% of 500 is 155.</p> | <p>43 + 46</p> |
| <p>What number is halfway between 14 and 20?</p> | <p>What is 31% of 900?</p> | |
| <p>120 ÷ 12 =</p> | | |

| | | |
|---|--------------------|-------------------------|
| <p>Circle the addition property for $43 + 64 = 64 + 43$. associative property commutative property</p> | <p>79 - 61</p> | <p>28 lb = _____ oz</p> |
|---|--------------------|-------------------------|

| | |
|---|--|
| <p>How many yards are in 27 feet? _____ yards</p> | <p>1 kg = 1,000 g 9 kg = _____ g</p> |
|---|--|

Name: _____

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| S | | L | L | | N | D | P | D | |
| | | | | | T | | | | |
| | | H | | R | B | C | | C | S |
| C | | R | | S | S | | R | | T |
| L | | | S | R | L | S | M | M | R |
| D | | H | | L | | | | | O |
| R | | L | | Y | | V | | N | L |
| D | D | | | T | D | | | T | L |
| | | P | R | | H | | | T | |
| D | M | | | N | W | H | | L | |

STROLL • DECISIVE • PREHEAT
MEANWHILE • SULLEN • DOCUMENT
CARESS • LEAD • HERB • RELAY
OAR • DUET

Can 996 be evenly divided by 6? Circle:
996 is evenly divisible by 6
996 is NOT evenly divisible by 6

8 x 5 =

54 ÷ 6 = _____

3 x 10 =

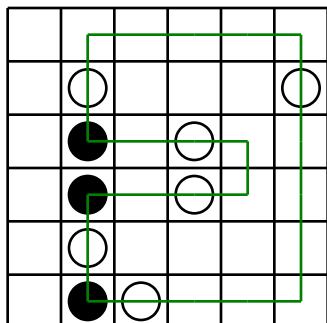
3 x 7 = _____

Pick a month. Can you make up a calendar
for your month with four Saturdays? Show
your calendar below:

$$\begin{array}{r} 416 \\ - 346 \\ \hline \end{array}$$

$$\begin{array}{r} 293 \\ + 283 \\ \hline \end{array}$$

Name: _____

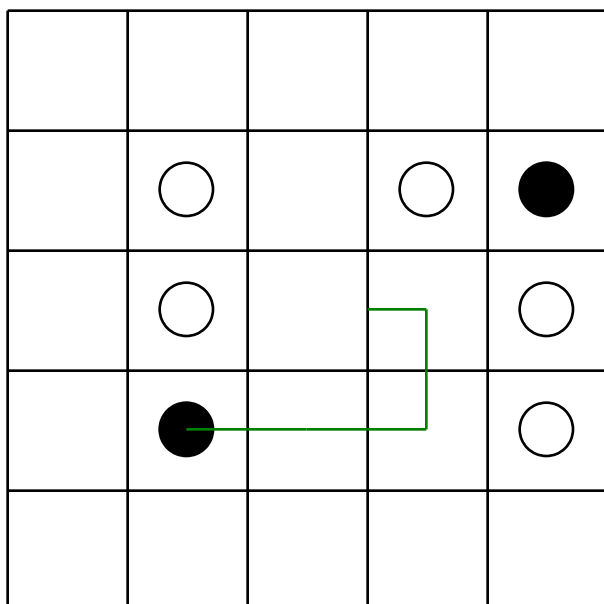


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

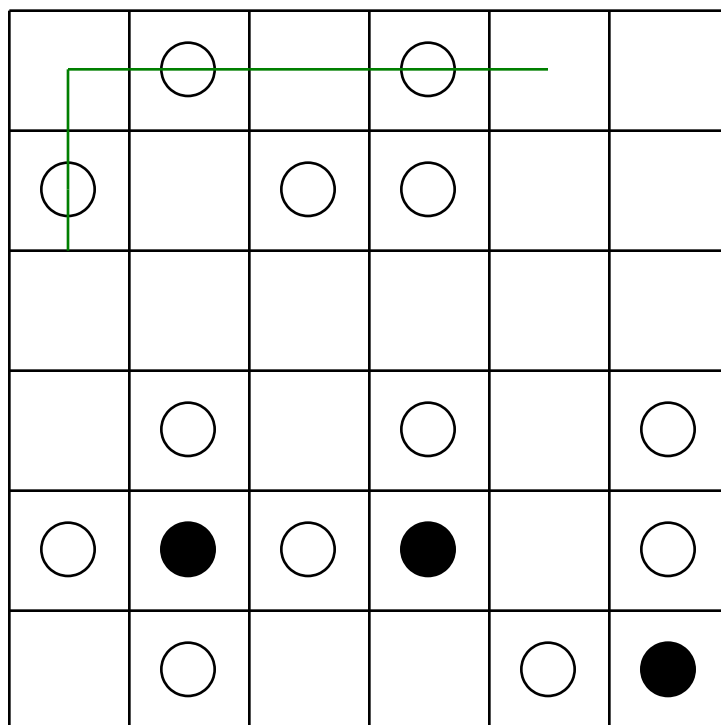
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



$$8,574 - 1,658 = \underline{\hspace{2cm}}$$

$$5 \times 7 = \underline{\hspace{2cm}}$$

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

Here is a pattern of letters:

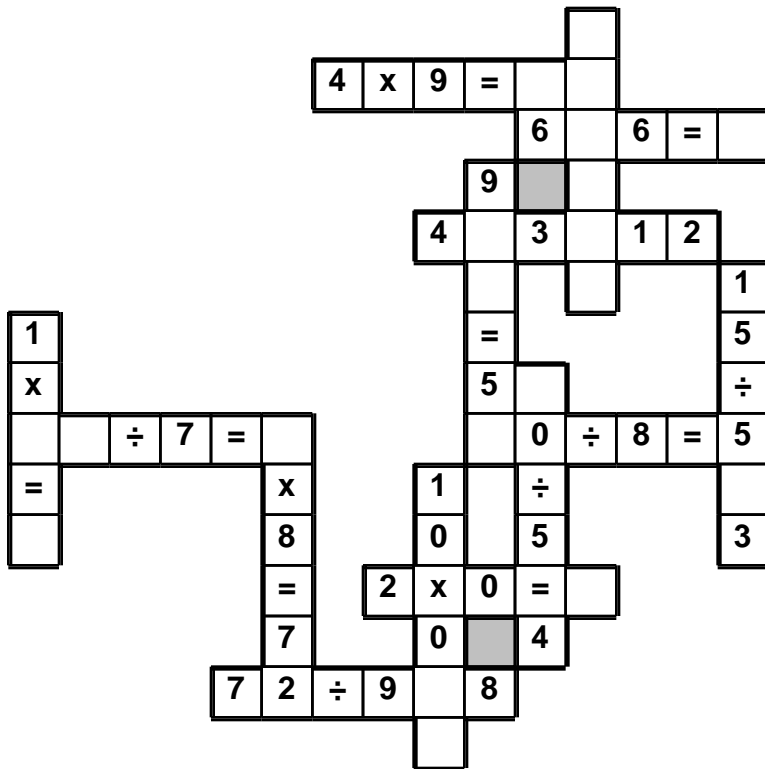
P P P J K P P P J K P P P J K P P ...

What letter will be the 44th term in the pattern?

$$582 + 367 = \underline{\hspace{2cm}}$$

$$45 \div 9 = \underline{\hspace{2cm}}$$

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



9 x 10 = _____

Name: _____

Madison, Dylan, and Megan are competing in the Olympics. They are each from a different country (South Africa, South Korea, and Jamaica), and they are also each competing in a different event (ski jumping, alpine skiing, and luge).

Figure out the country each person is from and the event he or she is competing in. (Assume that each hint refers to one of the three people. For example, if Madison has lunch with someone he met from another country, then assume that this person is among one of the three people).

1. The person from South Korea and her friend invited the person from Jamaica to dinner. The person from Jamaica thought it was a great idea, and she gladly accepted.
2. The person from South Africa and his friend invited the person from Jamaica to dinner. The person from Jamaica thought it was a great idea, and she gladly accepted.
3. The person competing in the ski jumping event is from Africa. This is his first time to represent his country at the games.
4. The person competing in the luge event is from North America. This is her second time to represent her country at the games.
5. Though Megan has never been to Jamaica, she would like to visit.
6. Though Madison has never been to South Africa, she would like to visit.
7. Megan had lunch with someone she met. The person she met is competing in the ski jumping event.

$56 \div 8 =$ _____

What time is 16 hours after
2:00 a.m.?

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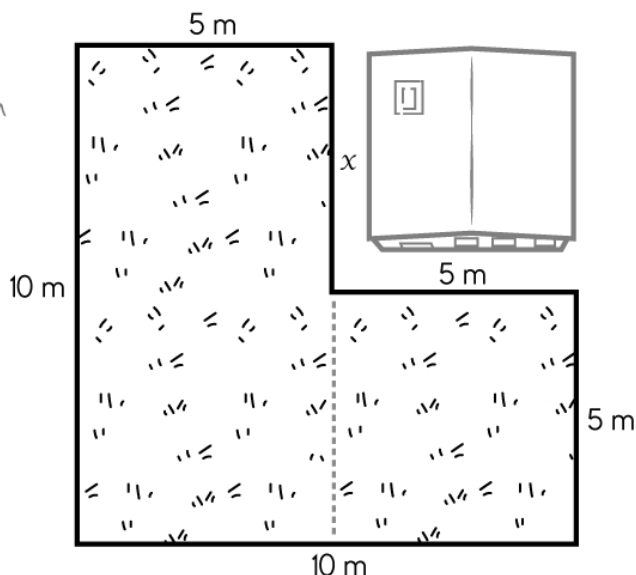
Area of Complex Figures



Find the area and perimeter of each grass area.

Divide each complex shape into simple shapes to find the total area.

Find the value of x to find the perimeter.



$$A = (5 \times 10) + (5 \times 5)$$

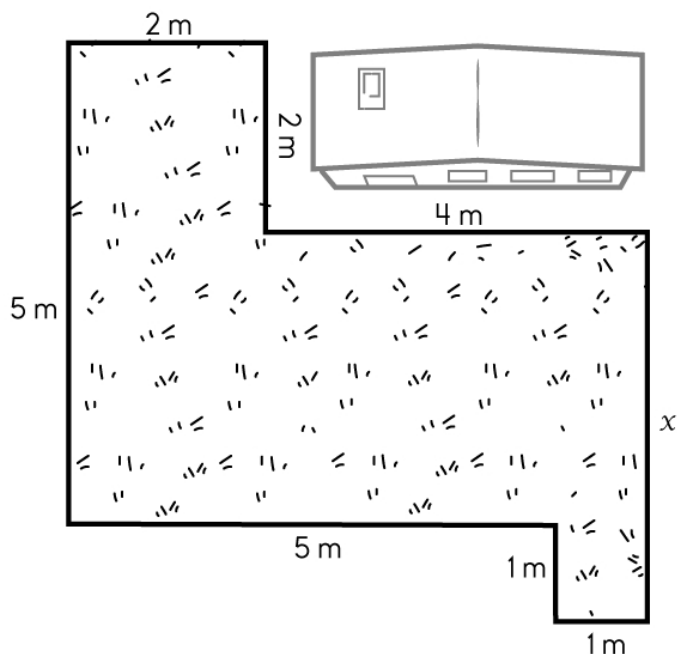
$$= 50 + 25$$

=

$$P = 5 + 10 + 10 + 5 + 5 + x$$

$$= 35 + x$$

=



$$A =$$

=

=

$$P =$$

=

=

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$$2 \times 2 \times 2 \times 2 \times 2 = x^5$$

What is the value of x?

In what quadrant would you find the point (9, -1)?

Circle the percentage that is closest to 31 out of 75:

56%

5%

23%

94%

Crazy Peter had pizza 26 days in the month of December. Approximately what percent of the month did he have pizza?

Pam told the class that they should drink about 1.99 liters of water per day. There are 16 kids in the class, including Pam. They will all try to do that. How much water will the class drink in a day?

$$6.4635 \times 10^4 =$$

Simplify.

$$\frac{14}{18} =$$

$$8 + (45 \div 5) - 70 \div 10 =$$

What is the greatest common factor of the numbers 39 and 26?

80, 100, 120, 140, 160,
_____, 200, 220, 240

A circle graph has four sections. Only three sections are labeled. The labels are 24.59%, 11.01%, and 9.4%. What should the missing section be?

A, F, B, H, C, _____, D, L,
E, N

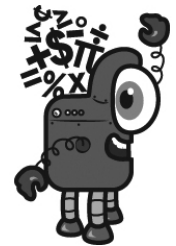
Name: _____

Mental Math

— #1 —

■ Start with the number 543.

543



■ Add the number of ounces in 1 pound.

5 5 9 4 4 1 6 0 7 9 (Circle your answer to double check you are correct.)

■ Add the digits in your number. The sum of that is your new number.

3 9 8 0 1 9 9 1 2 3

■ Add the number of quarters in a dollar.

7 5 2 3 4 9 8 7 2 1

■ Increase that number by 1.

2 6 7 2 4 5 1 6 3 6

■ Find one-third.

7 1 3 7 8 8 5 8 8 5

Mental Math

— #2 —

☺ Start with the product of 9 and 3.

3 6 2 2 8 2 7 8 6 2 (Circle your answer to double check you are correct.)

☺ Add two-thirds of a dozen.

6 3 5 2 4 7 7 9 8 8

☺ Multiply the tens digit by the ones digit. The product is your new number.

3 5 1 8 5 6 1 5 2 6

☺ Increase that number by 41.

3 6 5 7 4 5 6 2 7 9

☺ Multiply the tens digit by the ones digit. The product is your new number.

9 1 6 3 3 0 8 2 5 1

☺ Divide that number in half.

6 0 4 8 2 2 1 5 3 8

Name: _____

Cross off the letter that does NOT belong.

B, F, G, G, H, H, I, I, J, J, K

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

(309,586,821,120), (25,798,901,760), (2,149,908,480),
(179,159,040), (53,952,379), (14,929,920), (1,244,160),
(103,680), (8,640), (720), (60)

Why does _____ not belong in the pattern?

Name: _____

Write the final part of each math analogy.

first, third, fifth, seventh, ____ : ninth :: second, fourth, sixth, eighth, ____ :

Explain why you think your answer is correct.

second, fifth, ____, eleventh : eighth :: ____, sixth, ninth, twelfth :

Explain why you think your answer is correct.

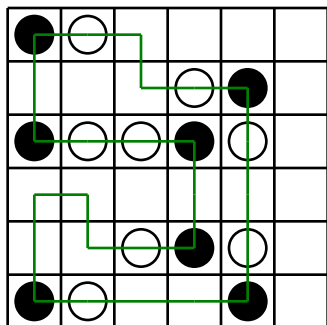
FQKFQKFQ____ : K :: CHDCHDCH____ :

Explain why you think your answer is correct.

44, 47, 50, 53, ____ : 56 :: 56, 59, 62, 65, ____ :

Explain why you think your answer is correct.

Name: _____

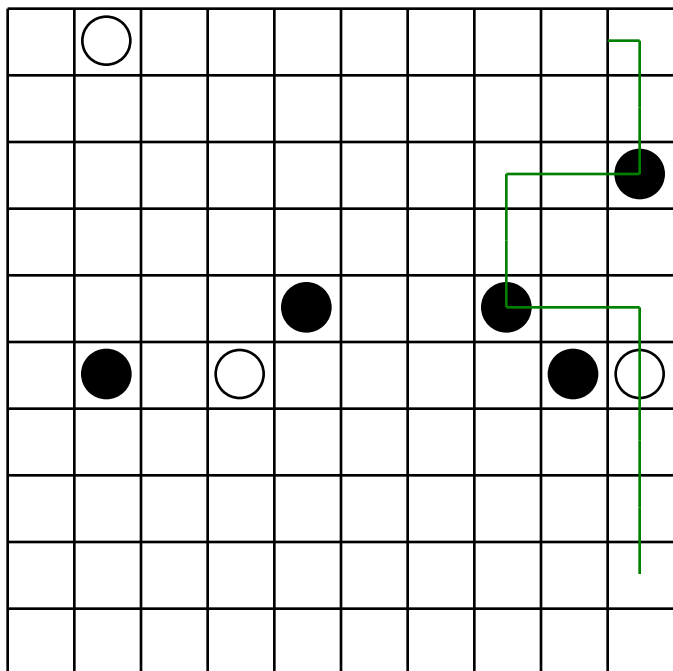


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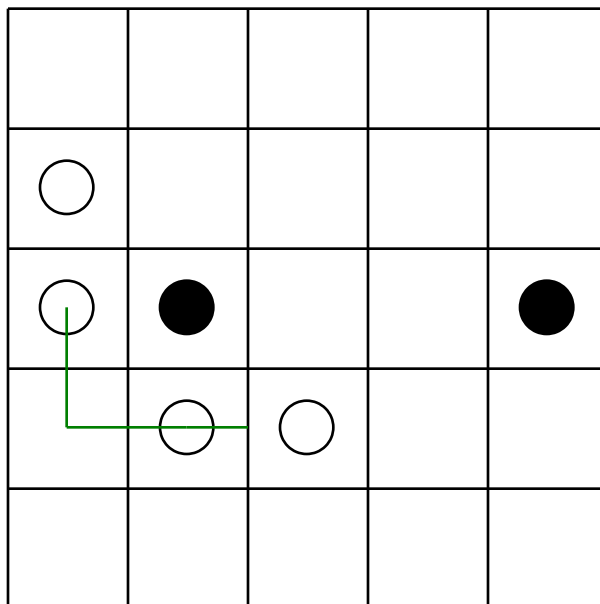
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



$$42 \div 7 =$$

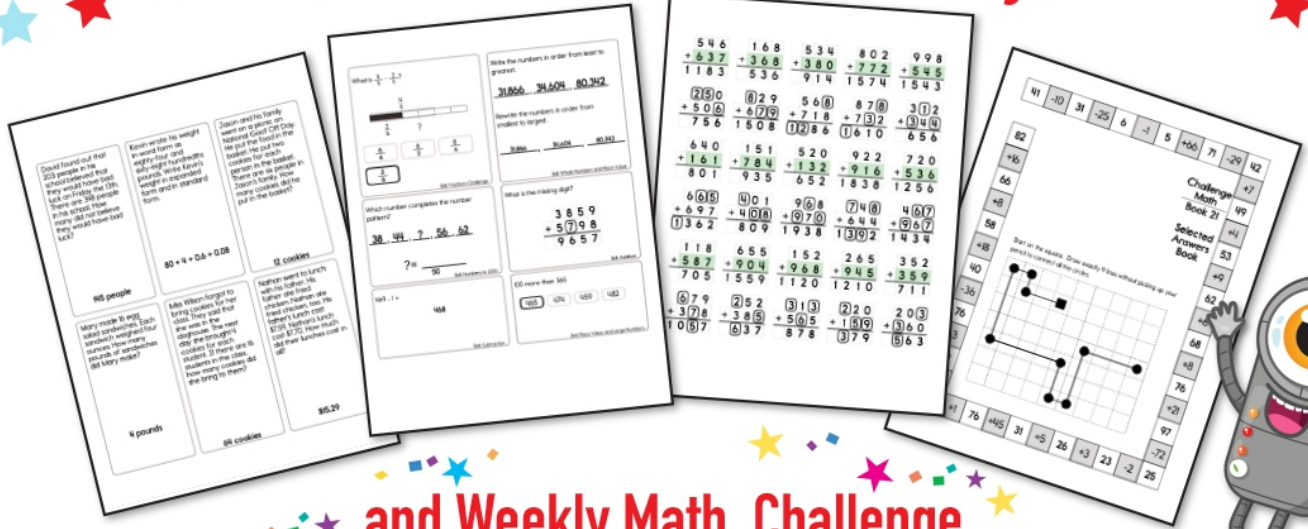
Can 396 be evenly divided by 11? Circle:

396 is NOT evenly divisible by 11

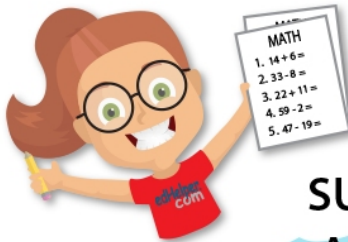
396 is evenly divisible by 11

$$16 \div 4 =$$

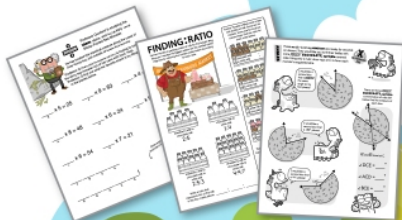
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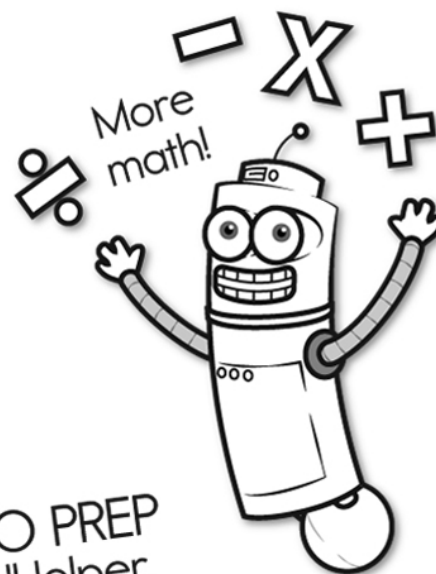
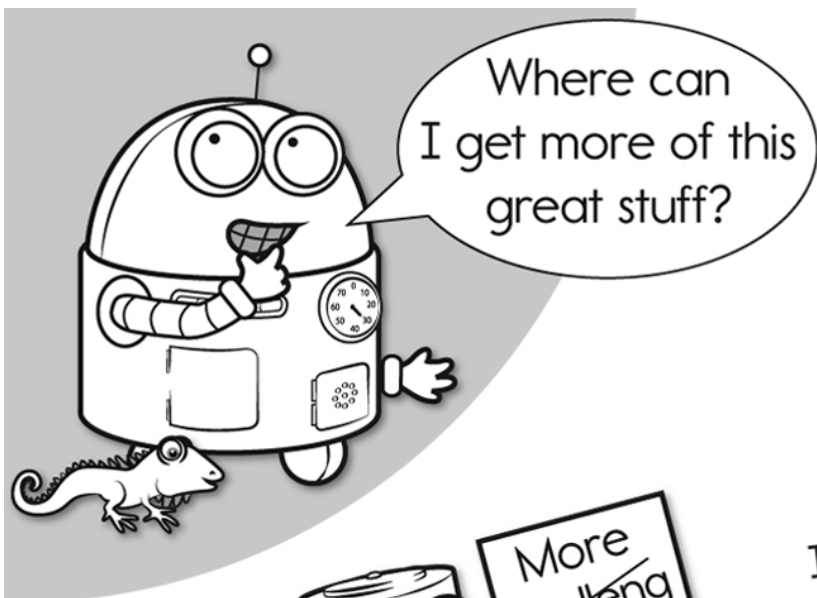
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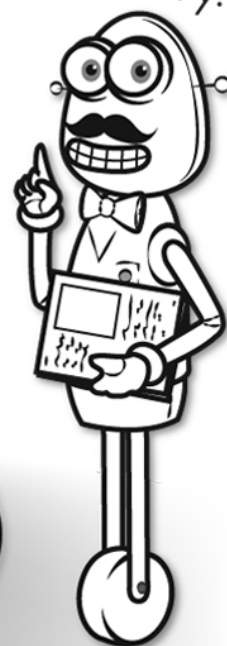


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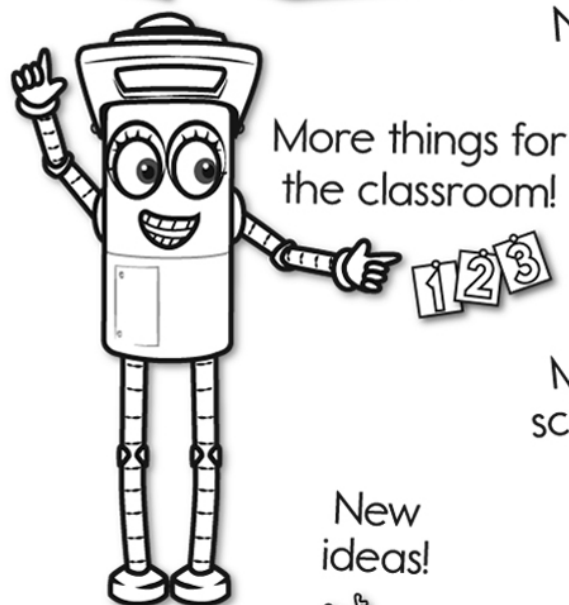
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