



Name: \_\_\_\_\_

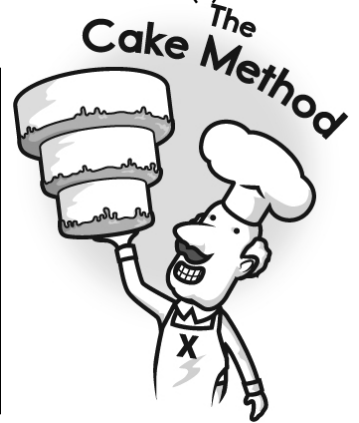
Get a fidget spinner! Spin it.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.

|                        |    |          |
|------------------------|----|----------|
| 5                      | 70 | 110      |
|                        | 2  | 14    22 |
|                        | 7  | 11       |
| GCF: $5 \times 2 = 10$ |    |          |

|   |            |    |
|---|------------|----|
| 3 | 15         | 21 |
|   | GCF: _____ |    |



|            |    |    |
|------------|----|----|
| 3          | 42 | 36 |
| GCF: _____ |    |    |

|            |    |    |
|------------|----|----|
| 5          | 60 | 50 |
| GCF: _____ |    |    |

|            |    |    |
|------------|----|----|
| 5          | 60 | 55 |
| GCF: _____ |    |    |

|            |    |
|------------|----|
| 104        | 40 |
| GCF: _____ |    |

|            |    |
|------------|----|
| 60         | 32 |
| GCF: _____ |    |



Name: \_\_\_\_\_

Spin again.

I needed to spin \_\_\_\_\_ time(s) to finish.

Find the GCF using the Birthday Cake method.

|  |  |
|--|--|
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">2   36   40   24</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">2   18   20   12</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">9   10   6</div> <div style="border: 1px solid black; padding: 5px;">GCF: <u>4</u></div> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">3   42   66   72</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">2   14   22   24</div> <div style="border: 1px solid black; padding: 5px; height: 100px;"></div> <div style="border: 1px solid black; padding: 5px;">GCF: _____</div> |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">5   25   40   45</div> <div style="border: 1px solid black; padding: 5px; height: 100px;"></div> <div style="border: 1px solid black; padding: 5px;">GCF: _____</div>  | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">2   42   72   60</div> <div style="border: 1px solid black; padding: 5px; height: 100px;"></div> <div style="border: 1px solid black; padding: 5px;">GCF: _____</div>  |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">100   120   140</div> <div style="border: 1px solid black; padding: 5px; height: 150px;"></div> <div style="border: 1px solid black; padding: 5px;">GCF: _____</div>   | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">39   48   54</div> <div style="border: 1px solid black; padding: 5px; height: 150px;"></div> <div style="border: 1px solid black; padding: 5px;">GCF: _____</div>  |

Name: \_\_\_\_\_

The workers at Cosmic Computers assembled 19,500 computers. The deliverymen delivered 9,400 to the first store, 6,920 to the second store, and the remaining computers to the third store. How many computers were delivered to the third store?

Gavin picked up all the pennies he saw on the ground on his way to school. At the end of 45 days he had picked up 109 pennies. What is the average number of pennies he picked up each day? Round off your answer to the nearest whole penny.

Hannah likes to multiply a number by itself. Why? Nobody knows!

"If I take my favorite number and multiply it by itself, the product will be only 19 away from 100. Can you guess my favorite number?" asks Hannah.

Rose has 55 cents. What fraction of a dollar is that? Be sure to simplify the fraction.

Name: \_\_\_\_\_

Which of the following numerals has a 5 in the ten thousands place?

- A) 35421
- B) 23451
- C) 35241
- D) 54231

Which of the following group of numbers is in order from smallest to largest?

- A) 42, 61, 48, 41, 65
- B) 23, 32, 39, 44, 88
- C) 61, 94, 42, 18, 29
- D) 90, 86, 95, 72, 99

7 thousands, 5 hundreds, 7 tens, 3 ones =

- A) 7375
- B) 7573
- C) 7753

Which of these answers is the expanded numeral for 935?

- A)  $500 + 30 + 9$
- B)  $900 + 30 + 5$
- C)  $9 + 53$

Which of the following numbers is greater than forty-eight and less than sixty-four?

- A) 47
- B) 48
- C) 56
- D) 69

$23 + 75 + 3 + 4 =$

- A) 145
- B) 705
- C) 105
- D) 101

Name: \_\_\_\_\_

|   |   |  |   |
|---|---|--|---|
| 1 cm = 10 mm<br>10 cm = _____ mm                                    |   | Megan will win if a random number pulled out of a box is a multiple of 5. 28 pieces of paper, numbered 40 to 67, are put inside a box. What is the chance that Megan will win? | $\begin{array}{r} 26 \\ + 41 \\ \hline \end{array}$ |
| $\begin{array}{r} 711 \\ - 188 \\ \hline \end{array}$               |   |  |   |
| 3 x 4 =   | $\begin{array}{r} 71 \\ - 55 \\ \hline \end{array}$ | How far do you think it is from the ground to your chin? Write an estimate of the distance you think it could be.  |   |
| 8 x 10 =  |   |  |   |
| Which is the largest?<br>40.7 ÷ 6.2      40.7 ÷ 6.3      40.7 ÷ 6.4 |   | $\begin{array}{r} 453 \\ + 449 \\ \hline \end{array}$  | 44 ÷ 11 =   |

Name: \_\_\_\_\_

|  |  |   |
|--|--|---|
| <p>Write a letter that has two or more lines of symmetry.</p> <p>_____</p>   | <p>How many ounces are in 5 pounds?</p> <p>_____ ounces</p>  |   |
| <p>Can 768 be evenly divided by 8? Circle:</p> <p>768 is evenly divisible by 8</p> <p>768 is NOT evenly divisible by 8</p> | <p>14 kg = _____ g</p>   |   |
|  |  |   |
| <p>Write the missing family fact.</p> <p>190 ÷ 19 = 10</p> <p>19 x 10 = 190</p> <p>10 x 19 = 190</p> <p>_____</p>          | <p>Rose has two favorite numbers. If you add her favorite numbers, you get 27. If you multiply her favorite numbers, you get 152. What are her mystery numbers?</p> <p>_____</p>   |   |
| <p>For 1,172,270,436,840, write the digit that is in the hundred thousands place.</p> <p>_____</p>                         | <p>Amy wants to call Wendy. Wendy is on vacation in Asia. It is a time difference of nine hours. Wendy's time is always later than Amy's time. If it is 3:17 P.M. where Amy lives, then what time is it where Wendy is?</p> <p>_____</p> |   |
| <p>7 x 8 =</p>   | <p>Write a letter that has a line of symmetry. Write whether it has a horizontal, vertical, or both horizontal and vertical lines of symmetry.</p> <p>_____</p>  | <p>How many digits are in ten times ten?</p> <p>_____</p> |

Name: \_\_\_\_\_

The circus is in town! Tickets are \$4 for kids. Adults need to pay double the price of kids' tickets. Erin is bringing four of her friends in her class. Her mom is also coming. Erin wants to pay for everyone. How much will she need to pay?

Jenna will win if a random number pulled out of a box is an odd number. 32 pieces of paper, numbered 1 to 32, are put inside a box. What is the chance that Jenna will win?

Circle the correctly spelled words.

anser, answer  
arguing, argueing  
begger, beggar

Can 294 be evenly divided by 4? Circle:  
294 is evenly divisible by 4  
294 is NOT evenly divisible by 4

Write an equation to represent this:

The difference between ten and two is eight.

$$36 \div 4 =$$

$$60 \div 6 =$$

Seven kids and two adults are going to the circus. Kids' tickets are on sale for only half the price of adult tickets. The total cost is \$55. How much is one adult ticket?

Circle the addition property for  $75 + 89 = 89 + 75$ .

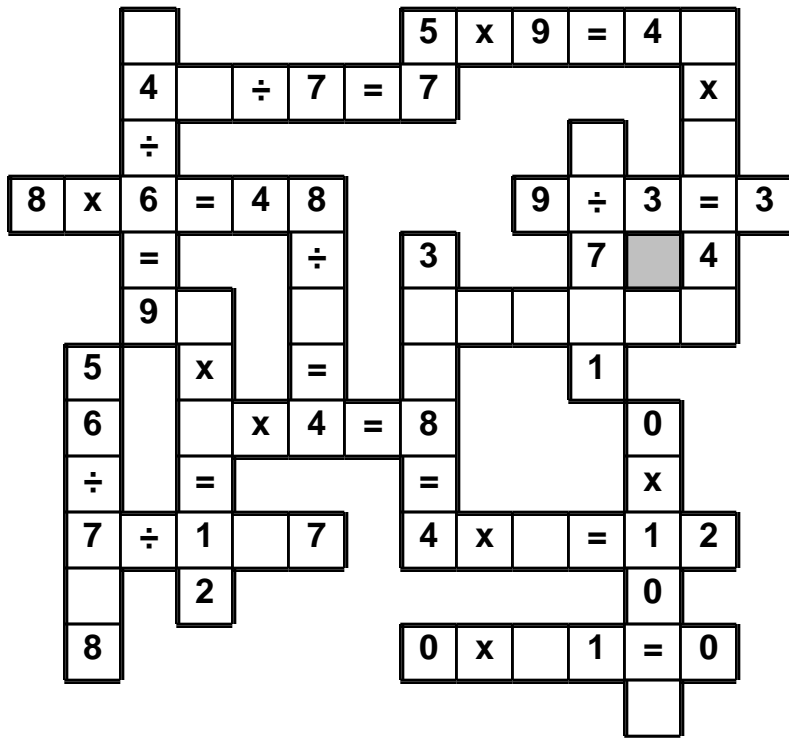
associative property  
commutative property

Name: \_\_\_\_\_

$$5 \cdot 5 \cdot 9 \cdot 7 \cdot 8 \cdot 6 \cdot 2 \cdot 2 \cdot x \cdot 5 \cdot = \cdot 1 \cdot 0 \cdot \div \cdot 2 \cdot =$$

$$3 \cdot = \cdot 1 \cdot 0$$

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



If you multiply  $214 \times 1020$ , you will have a number that is how much bigger than  $107 \times 340$ ?

- It will be three times as big.
- It will be twice as big.
- It will be five times as big.
- It will be four times as big.
- It will be six times as big.

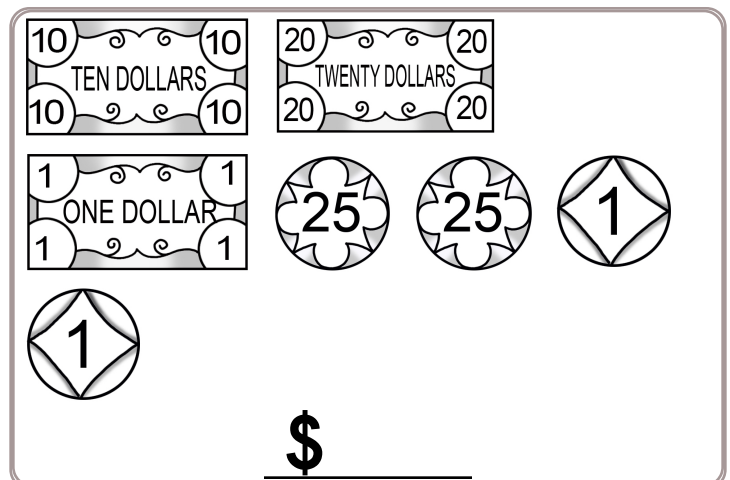
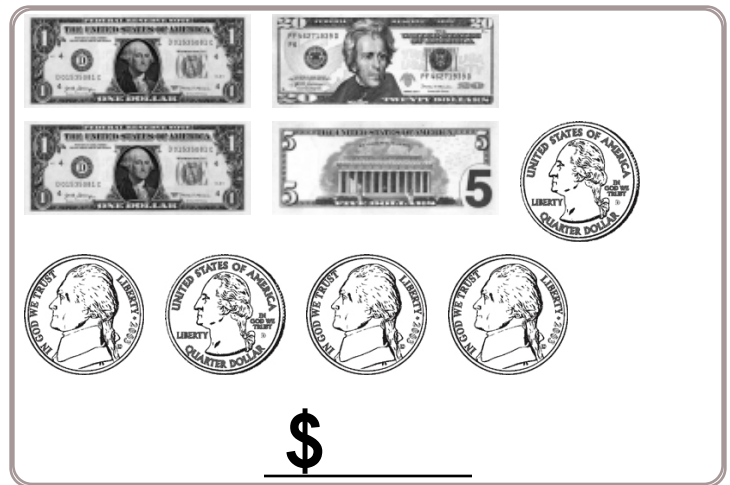
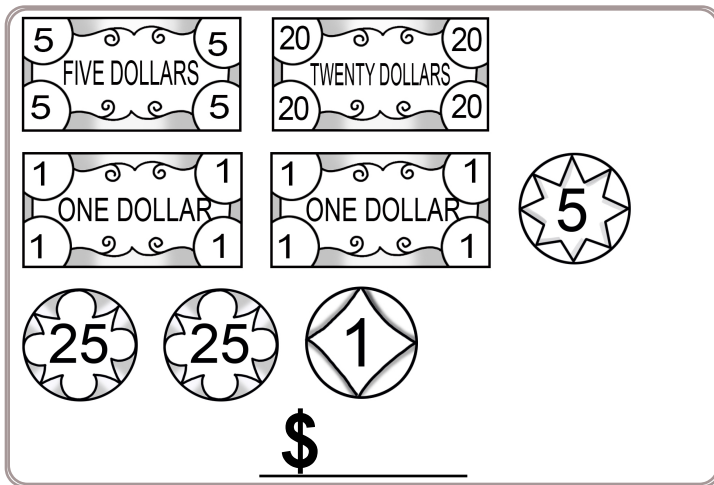
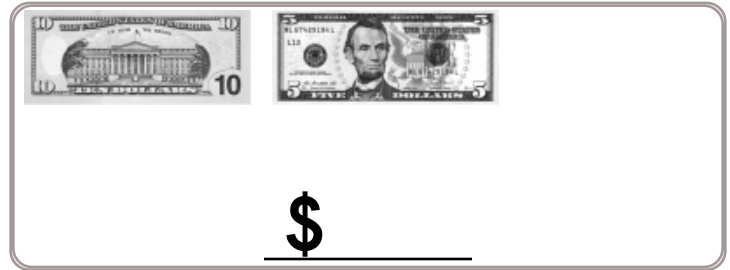
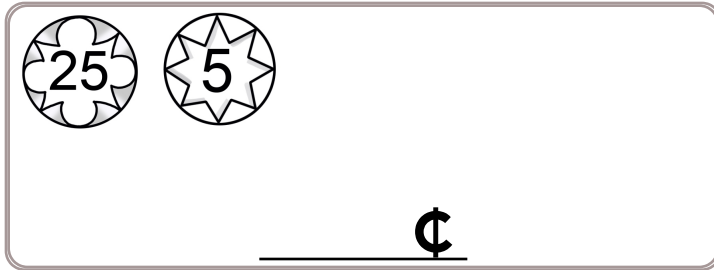
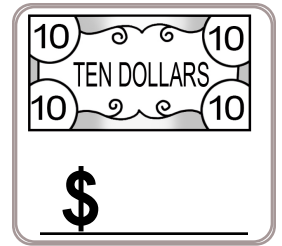
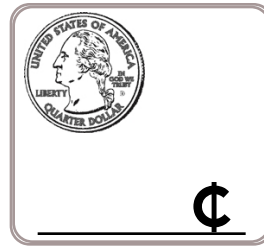
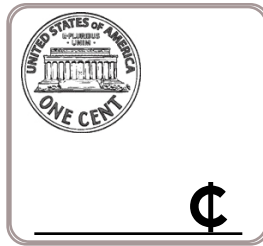
Circle the smallest number:

- 914,836,520
- 715,024
- 89,631
- 706,589,342,158

What time is 14 hours after 2:00 a.m.?













\_\_\_\_\_

Name: \_\_\_\_\_



Name: \_\_\_\_\_

Draw ONE continuous line that touches every box ONCE.  
Count by 7s. Find the box with the number 114. Move up, down, right, or left.  
Keep counting until you reach 723. Do not move into a spot with a picture.

|     |   |   |     |     |     |      |     |   |   |
|-----|---|---|-----|-----|-----|------|-----|---|---|
|     | 457   |  |     | --- | --- | ---  | --- |    |    |
|     |   |   |     | 723 |     |      |     |    |    |
| --- | ---   |   |     | --- | --- | -702 |     |    |    |
|     |   |   | --- |     |     |      |     | ---   | ---   |
|     |   |   |     |     | 681 | ---  | --- | ---   | -653  |
|     |   | ---   | --- | 121 | --- | 114  | --- | ---   |    |
|     |   | 310   | --- |     |     |      |     |   |   |
|     |   |   |     |     |     | 163  | 212 |  |  |
|     |  |   |     |     |     |      |     | 226   | ---   |
|     |   |   |     |     |     |      |     |   | 240   |

In the number 92,916,683, the digit 8 is in what place?

\_\_\_\_\_

Circle the greatest number:

13,764,625,310

485,209

6,037

987,036,519,482

$(8 + 7) + 7 =$

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

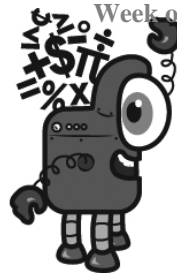
seven hundred thirty-eight thousand, six hundred sixty-two

\_\_\_\_\_

Name: \_\_\_\_\_

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?

# Mental Math



= Do it  
in your  
head!

imagine 8 in your head

multiply 12

add 2

Write the ones digit.

\_\_\_\_\_  
A

imagine 6 in your head

subtract 3

add 3

add 1

add 5

Add the tens digit to the ones digit.

Write the sum.

\_\_\_\_\_  
B

imagine 9 in your head

double it

subtract 7

subtract 9

add 9

Write the tens digit.

\_\_\_\_\_  
C

imagine 6 in your head

add 6

multiply 3

add 2

Write the tens digit.

\_\_\_\_\_  
D

What is the sum?

A + B + C + D

\_\_\_\_\_

Wow! Great job! That's the answer, but do you know how to SPELL the number?

\_\_\_\_\_ f \_\_\_\_\_ e n

7 before 16 \_\_\_\_\_

7 after 18 \_\_\_\_\_

9 before 19 \_\_\_\_\_

5 before 17 \_\_\_\_\_

8 after 14 \_\_\_\_\_

3 before 11 \_\_\_\_\_

2 before 12 \_\_\_\_\_

4 after 17 \_\_\_\_\_

1 before 18 \_\_\_\_\_

4 before 13 \_\_\_\_\_

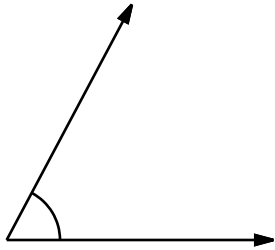
3 after 13 \_\_\_\_\_

6 before 14 \_\_\_\_\_

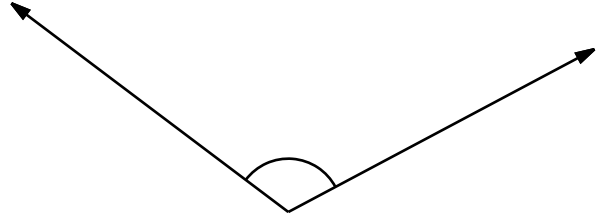
Name: \_\_\_\_\_

How large is the angle? First, make a guess and write your estimate in degrees.  
Then, actually measure it to see how close your guess was.

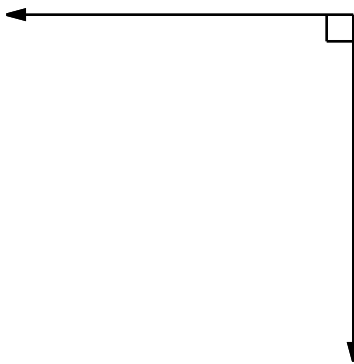
Hint: Try guessing between  
50 and 71 degrees.



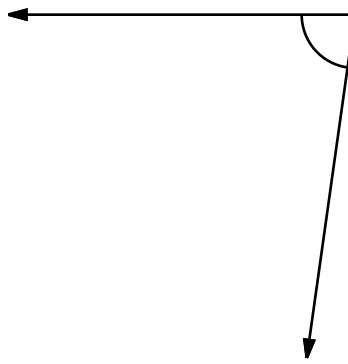
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



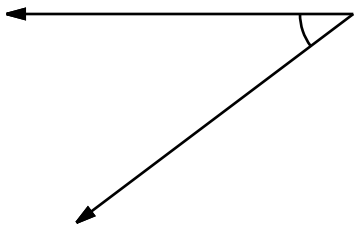
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



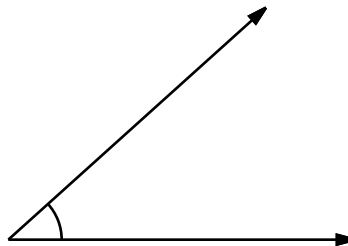
Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_



Guess first: \_\_\_\_\_ Measure: \_\_\_\_\_

Name: \_\_\_\_\_

"I can quickly divide a three-digit number by a two-digit number," Rosa tells Gavin.

"Yeah, sure," replies Gavin. "Then what is 756 divided by 36?"

Rosa has a trick. She will distract Gavin while you figure it out. Show your work!

Circle the pair of numbers that does not fit. Explain why.

12 and 72

18 and 126

8 and 56

5 and 35

19 and 133

Name: \_\_\_\_\_

The letters A, Q, and M each stand for a positive whole number. How many DIFFERENT values can you find for them?

$$M > A$$

$$A > 7$$

$$A + 9 = Q$$

$$M < 25$$

Which of the following fractions when added to  $\frac{1}{2}$  is 1?

$$\frac{1}{7}$$

$$\frac{2}{9}$$

$$\frac{5}{8}$$

$$\frac{2}{4}$$

$$\frac{3}{6}$$

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|   |   |    |    |   |  |   |    |
|---|---|----|----|---|--|---|----|
|   |   | +  |    | + |  | = |    |
| + | C | B  | C  |   |  |   | 61 |
| + | A | B  | A  |   |  |   | 11 |
| + | A | B  | B  |   |  |   | 16 |
| = |   |    |    |   |  |   |    |
|   | ? | 21 | 36 |   |  |   |    |

### Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$B + B + B = 21 \quad \underline{\quad} + A + B = 36 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 16$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = 11 \quad \underline{\quad} + \underline{\quad} + \underline{\quad} = 61$$

Additional hints:

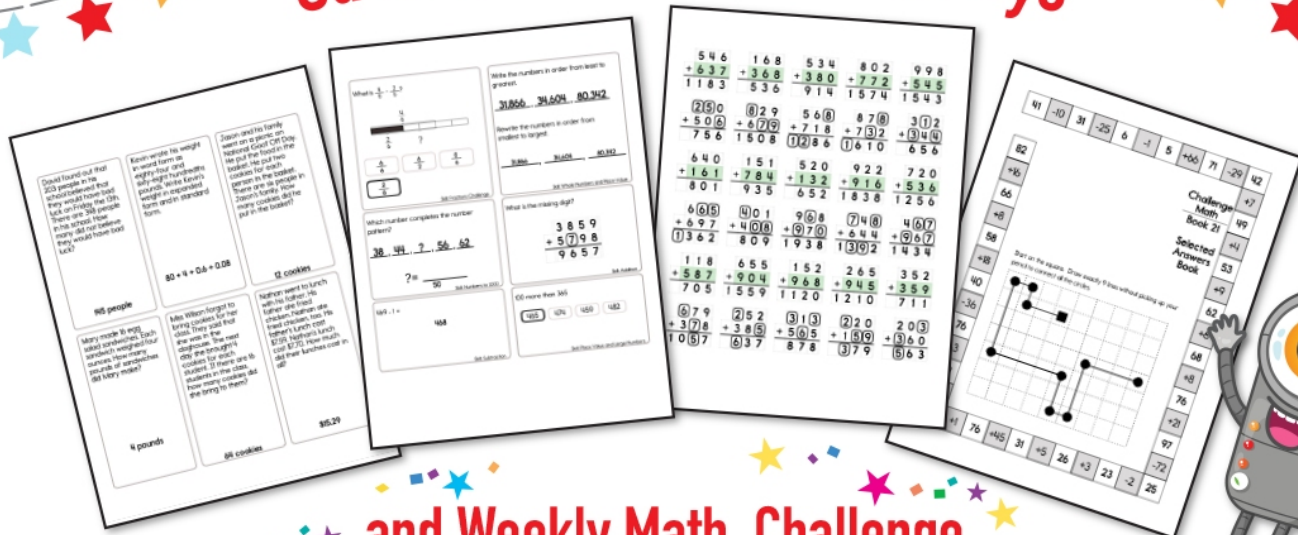
$$B < 15 \quad C = B + 20$$

### Show Work:

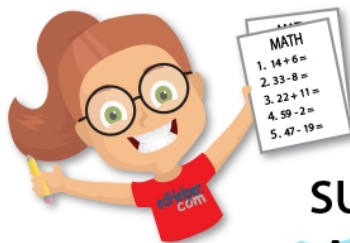
### Solve:

$$? = \underline{\quad}$$

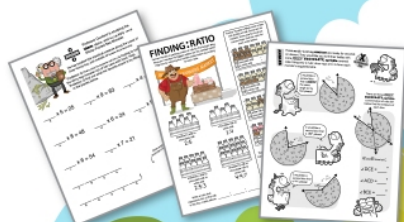
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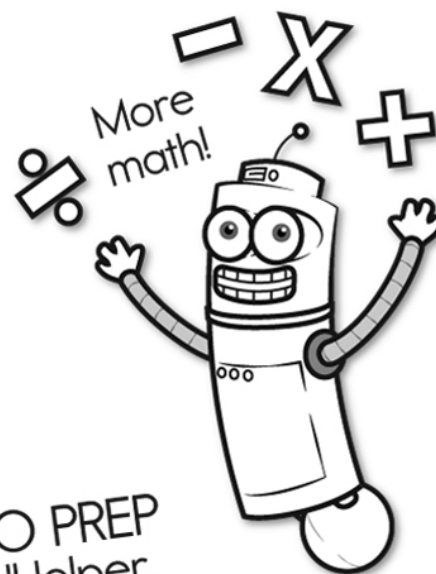
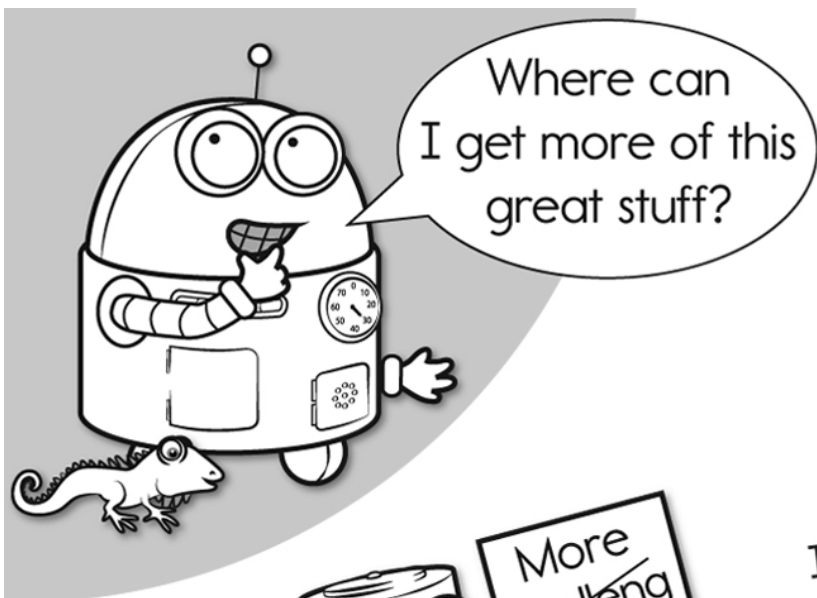
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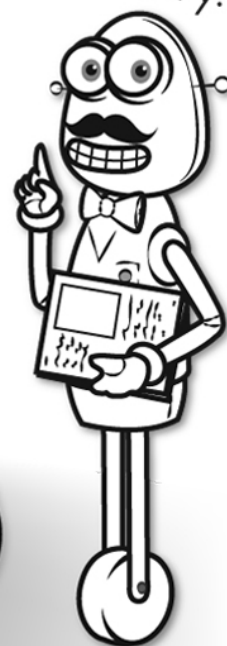


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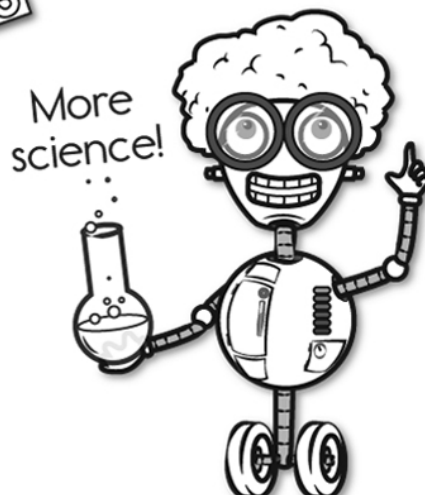
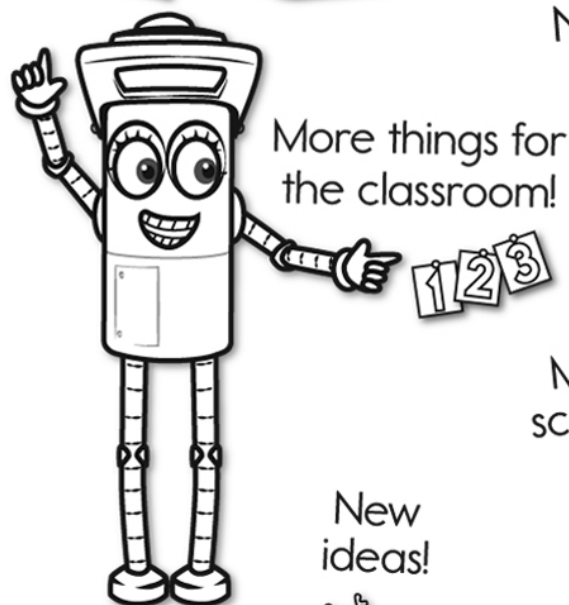
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 $\times =$   
 $- \div$   
 $< - >$

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