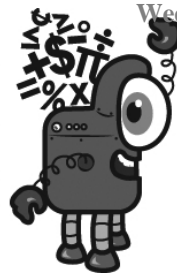


Name: _____

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 4 in your head

add 4

multiply 2

Add the tens digit to the ones digit. Write the sum.

A

imagine 9 in your head

multiply 11

add 6

subtract 6

subtract 9

Write the tens digit.

B

imagine 4 in your head

multiply 8

subtract 7

subtract 6

Write the tens digit.

C

imagine 7 in your head

double it

subtract 9

subtract 4

add 5

add 2

Write the number.

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?

_____ t _____ - _____ v e _____

7 before 15 _____

1 after 14 _____

5 before 12 _____

2 before 19 _____

5 after 16 _____

8 before 18 _____

3 before 11 _____

4 after 11 _____

6 before 14 _____

Name: _____

Match each pattern to its rule.

20.8, 14.5, 8.2, 1.9 ●

● - 6.3

24.6, 17.8, 11, 4.2 ●

● 25.6, 19.2, 12.8, 6.4

- 6.7 ●

● 25.8, 19, 12.2, 5.4

- 6.4 ●

● + 6.5

24.7, 18.6, 12.5, 6.4 ●

● - 6.1

25.5, 19.3, 13.1, 6.9 ●

● - 6.2

9.8, 16.3, 22.8, 29.3 ●

● 23.6, 16.9, 10.2, 3.5

$$13 + -11 = \underline{\quad}$$

$$7 - 2 = \underline{\quad}$$

What is the number that is 7 less than 3?

$$13 - 11 = \underline{\quad}$$

$$7 + -2 = \underline{\quad}$$

$$\underline{\quad} \div 5 = 5$$

How many minutes are there from 4:15 p.m. until 4:30 p.m.?

Which number is a 4-digit odd number?

Is 33 a composite or a prime number?

What is the sum of 10 and 404?

How many hundreds are in the number 3,000?

Name: _____

Salads and Sprouts, a vegetarian restaurant, is preparing mandarin orange salad with field greens, sunflower seeds, and purple onions for lunch. Thirteen tablespoons of seeds are put in each large salad. If the salad chef prepares 31 large salads, how many tablespoons of seeds will he need?

Rosa made a poster for Eye Safety Day. She divided the poster into four parts. One part was blue. One part was red. One part was green. One part was yellow. She put an equal number of pictures in each part. She used 20 pictures. How many were in each part?

Sally bought a kit to make fidgets. The box says that you can make up to 301 fidgets, so that would be the most she could make. Sally tried to make one. It took her 39 seconds to make. How many fidgets can she make in an hour? Assume she takes a 15-second break after making each fidget.

Bob, the donut guy, is working on a new type of donut called the 1.3-ounce sugar mini donut. Each donut weighs precisely 1.3 ounces. About $\frac{1}{10}$ of the donut consists of milk, yeast, flour, and eggs. The rest of the donut is sugar. Yum!

How many ounces of sugar is needed for each donut? Round your answer to the nearest tenth of an ounce.

Name: _____

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: 15.5, 11.4, or 23.2. The other three numbers have to all be DIFFERENT and must be from these: 1.1, 4.5, 2.7, 0.7, 8.5, or 9.3.

	4.5		1.1 odd			8.5		
1.1	19.7	2.7	15.9	0.7 even		23.2	33.5	
	11.4			less than 15.5	2.7		0.7	
	29.9		29.9	0.7	35.9		36.9	
either 0.7 or 1.1		either 15.5 or 8.5						less than 8.5
		greater than 8.5	odd		odd		greater than 4.5	
2.7	27.9		33.7		34		41.7	
		less than 23.2		even		either 15.5 or 0.7		odd
		less than 23.2	greater than 8.5				odd	
	27.1		25.1		28.2		42.1	
even		less than 9.3		less than 23.2		greater than 0.7		less than 9.3
		even		even		less than 23.2		odd
	37.8		26.3					
either 4.5 or 15.5		greater than 1.1		greater than 1.1		odd		
		greater than 4.5	odd		less than 9.3		odd	

Name: _____

<p>Yesterday it rained for $3\frac{1}{3}$ hours at Emily's house. She got to use her new pink umbrella. At Emma's house it only rained for 2.4 hours. How much longer did it rain at Emily's house?</p>	<p>On Wear Your Pajamas to Work Day, 225 office workers in the Sinclair Building wore pajamas to work. $\frac{1}{3}$ of them wore red and white pajamas, and the rest of the office workers wore other colors. How many of the office workers wore other colors?</p>	<p>Edensaw picked 12 pounds of berries. He gave $\frac{1}{4}$ of the berries to his grandfather. Edensaw ate $\frac{1}{12}$ of the berries. He gave the rest to his mother. How many pounds of berries did he give to his mother?</p>
--	---	---

<p>Mary was given five numbers: 6, 8, 9, 7, and 1. She needs to use two of these numbers to make a fraction. Can she make a fraction that is less than four-fifths?</p>	<p>Write an equation to represent this: The difference between fifteen and three is twelve.</p> <p>_____</p>
$\begin{array}{r} 439 \\ - 106 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ + 34 \\ \hline \end{array}$

$\begin{array}{r} 28 \\ - 12 \\ \hline \end{array}$	<p>1 lb = 16 oz 17 lb = _____ oz</p>	<p>Which is the largest? 20.9 ÷ 2.2 20.9 ÷ 2.3 20.9 ÷ 2.4</p>
<p>14 cm = _____ mm</p>		

Name: _____

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

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

The puzzle grid contains the following numbers and symbols in its cells:

- Row 1: 4, 1, =
- Row 2: 8, 1
- Row 3: 6, x, 4, =, 2, 4
- Row 4: 0, 1
- Row 5: =
- Row 6: x, 6, =, 0
- Row 7: 9, x, 7, 0
- Row 8: x, 5, =, 3, 0
- Row 9: =, 7, 0, ÷, 6
- Row 10: 4, ÷, 8, =, 8, 5, ÷, 5, =
- Row 11: 3, 9, 4, 2, ÷, 7, 6, 6, 2
- Row 12: =, 9, 0
- Row 13: 7
- Row 14: 4, 0, ÷, =, 5
- Row 15: 8

Write 2,264 in words.

Circle the relative adverb.
why, who, how, you

$$\begin{array}{r} 426 \\ + 382 \\ \hline \end{array}$$

Name: _____

_____ is 10 more than 86	_____ is 10 more than 48
_____ is 100 more than 723	_____ is 100 more than 689
_____ is 100 more than 881	_____ is 100 more than 814
_____ is 1,000 more than 4,351	_____ is 1,000 more than 6,968
_____ is 10,000 more than 55,336	_____ is 10,000 more than 61,281

How many yards are in 21 feet?

_____ yards

In the number 88,555,546,010, the digit 6 is in what place?

Amy will win if a random number pulled out of a box is an odd number. 38 pieces of paper, numbered 1 to 38, are put inside a box. What is the chance that Amy will win?

$(3 + 8) + 3 =$

Insert a comma in the appropriate place in this sentence.
No Ryan did not make the soccer team last year, but he is on it this year.

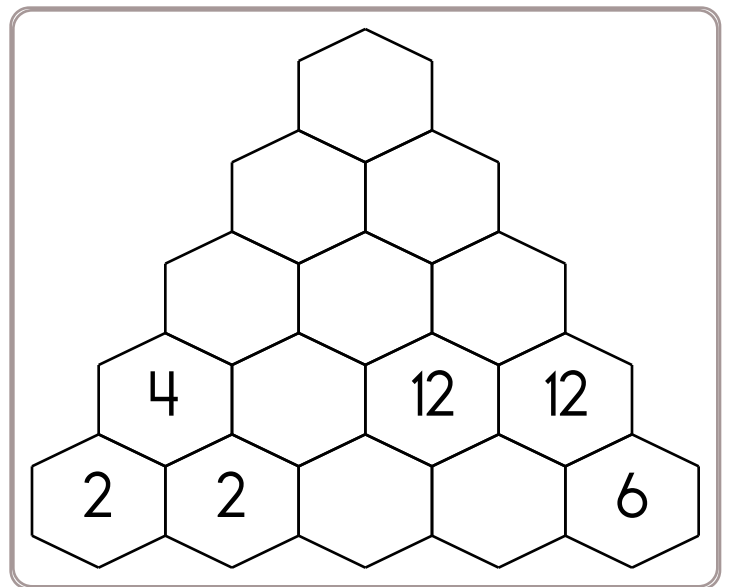
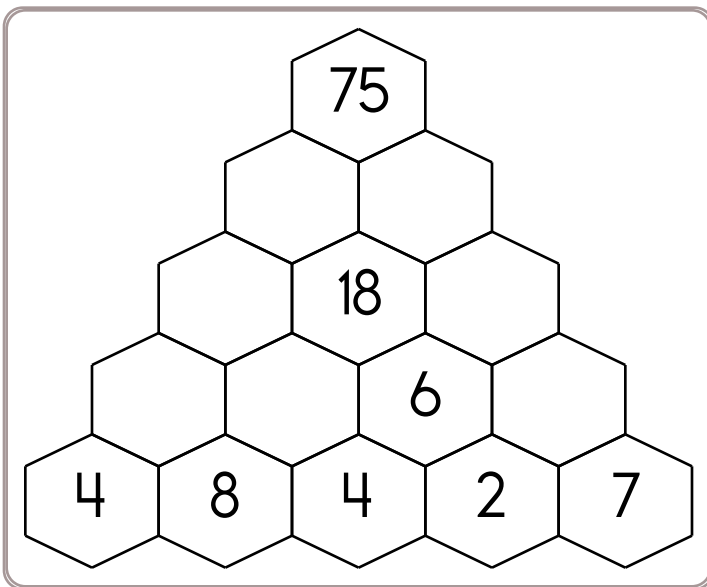
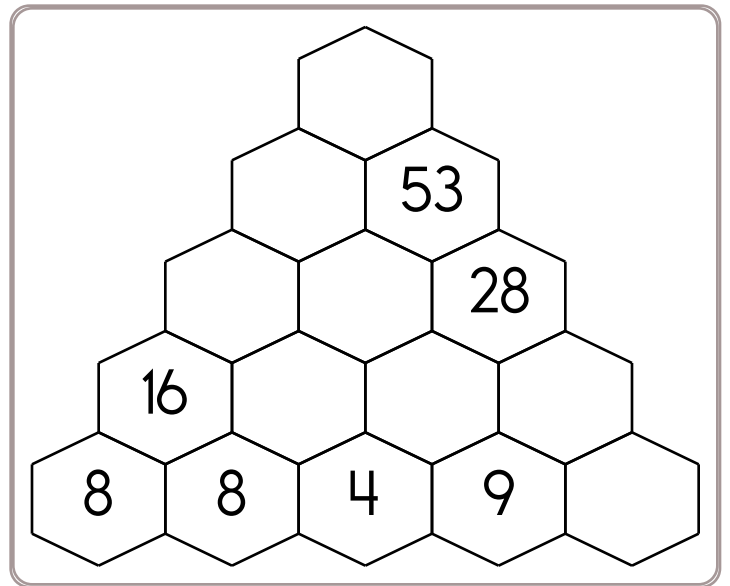
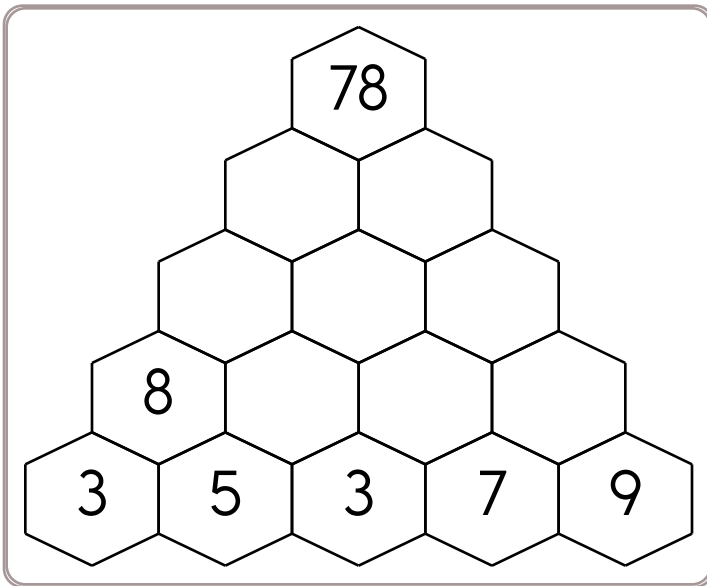
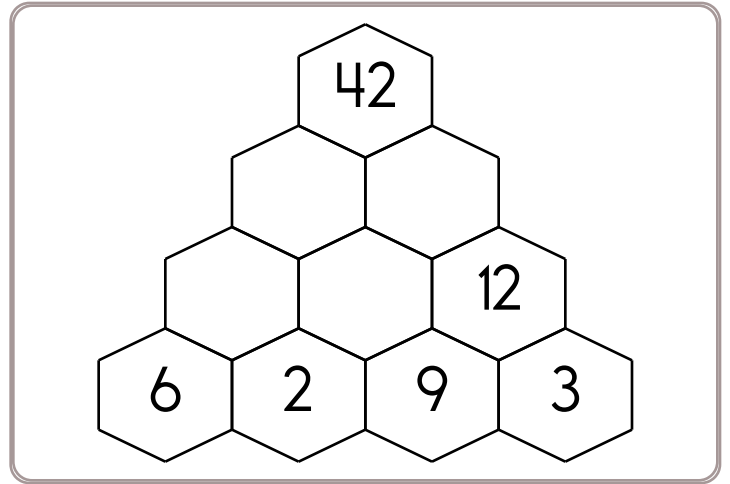
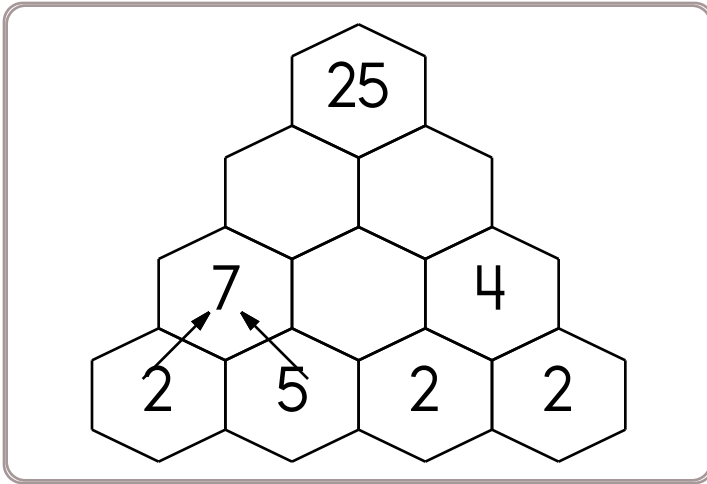
$36 \div 9 =$

Insert a comma in the correct place in this sentence.
Yes I have seen the movie *Jurassic Park* ten times at least.

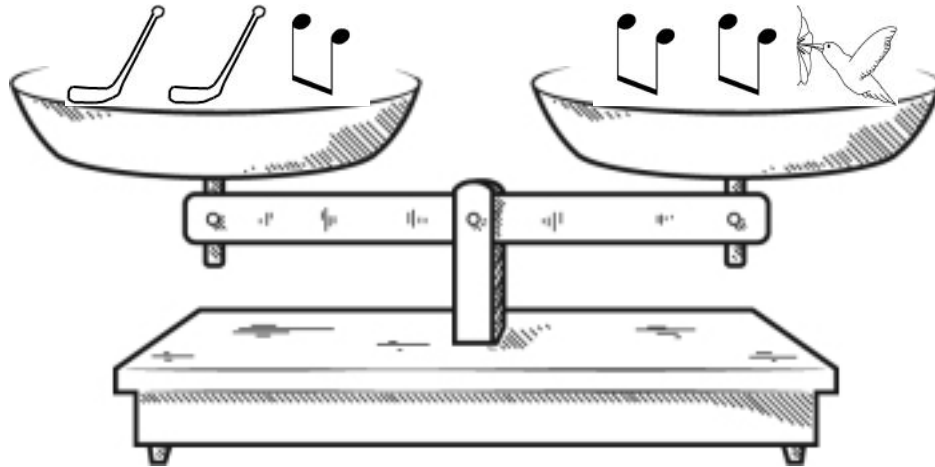
Insert commas in the correct places in this sentence.
My favorite genres of music are rap pop and reggae.

Name: _____


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





Name: _____




It may help to give values to pictures.

 = 2





 = 4

 =






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

  <   





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.

Name: _____

Name: _____

Jessica went for a walk with her father. They started walking at 5:40 a.m. They walked for 72 minutes. What time was their walk over?

Amanda spent 1.3 hours putting Hershey's Chocolate Kisses in bags for Compliments Day. Write the decimal as a mixed number.

Anna wants to call Ava. Ava is on vacation in Asia. It is a time difference of eleven hours. Ava's time is always later than Anna's time. If it is 8:25 P.M. where Anna lives, then what time is it where Ava is?

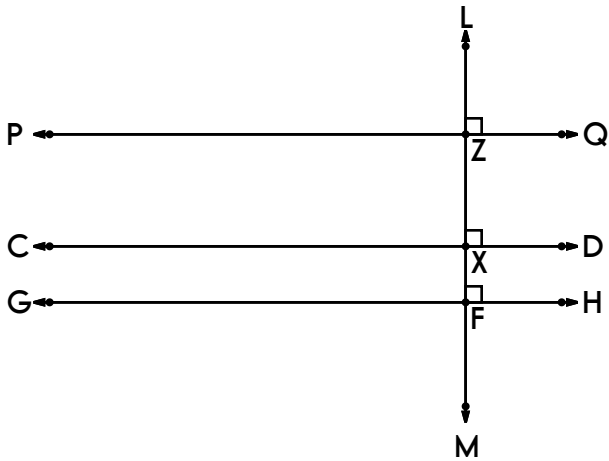
$$88 \div 11 =$$

How many digits are in the number of days in the current month?

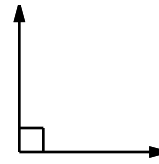
Can 544 be evenly divided by 5? Circle:
544 is NOT evenly divisible by 5
544 is evenly divisible by 5

Write a letter that has two or more lines of symmetry.

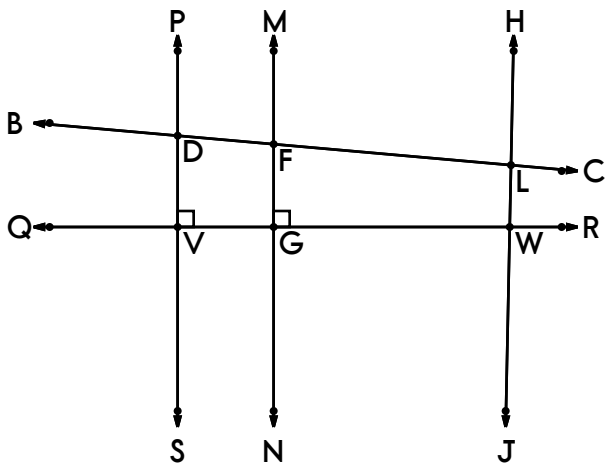
Name: _____



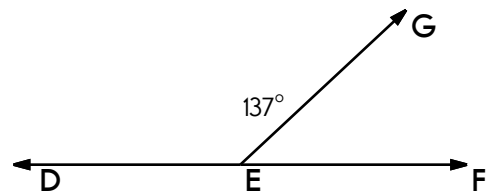
Show where all the right angles are.
 How many right angles did you find?



What kind of angle is this?



Name 3 line segments on \overleftrightarrow{PS} .



What kind of angle is $\angle DEG$?

Name: _____

$$\begin{array}{r} 0.06 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9.05 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5.7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 40.8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.06 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6.41 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2.24 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6.69 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1.27 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8.25 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4.64 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4.22 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4.73 \\ \times 2 \\ \hline \end{array}$$

List four of the smallest whole numbers that are greater than 14, are multiples of 4, and are not multiples of 6.

What time is 13 hours after 5:00 a.m.?

Name: _____

Ready to make equations? There is a missing equation in each box.
Circle the numbers once you find it!

A

1	75	81
-	69	67
31	66	78

Find a subtraction fact.

B

85	34	91
+	13	67
86	3	39

Find an addition fact.

C

73	67	6
-	11	44
75	60	96

Find a subtraction fact.

Equations:

Write the equation facts you found.

A	67	-	1	=	66
B		+		=	
C		-		=	

Circle the greatest number:

- 8,940,312
- 67,527,601
- 4,589
- 715,026

If you multiply 336×930 , you will have a number that is how much bigger than 168×310 ?

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

Insert a comma in the appropriate place in this sentence.
I was going to study for the test this afternoon but I ended up coming down with a cold.

$9 \times 10 =$

Name _____



Date _____

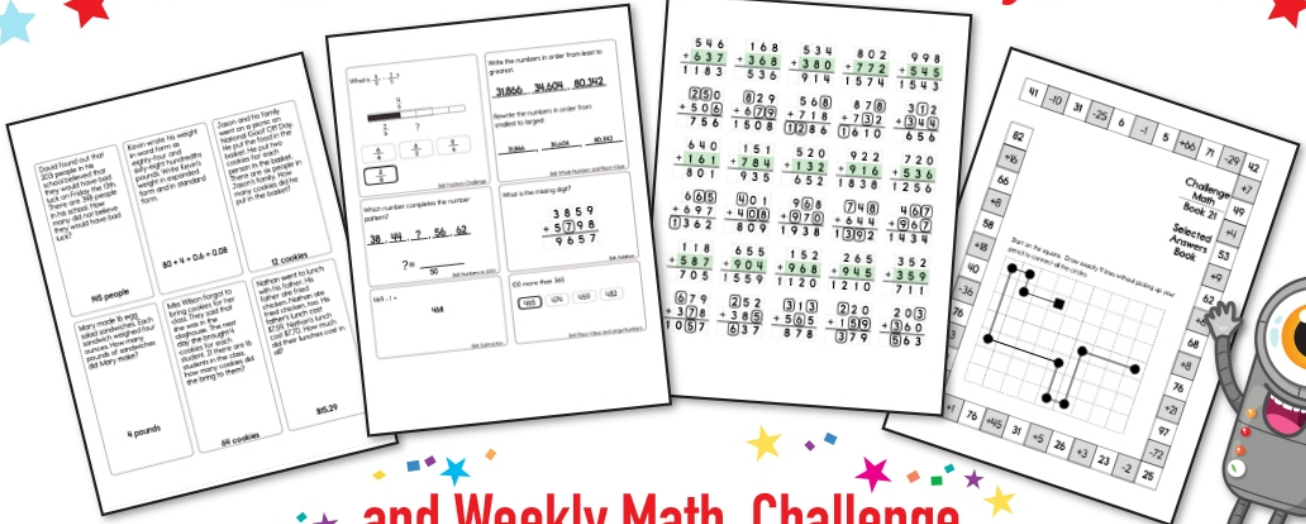
Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a circle. No stopping on an empty box.** Try to collect all the circles and finish your last line on the **E** circle. You can go through a circle more than once.

	●		●					
				●		●		
			●		●			
							○ E	
	●	○ B			●	●		
		●		●	●		●	

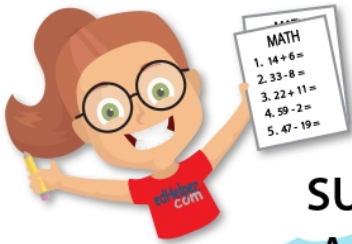
Didn't get them all? That's ok. This was hard.

I missed _____ circle(s).

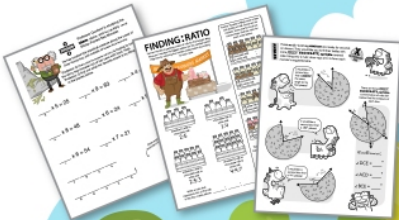
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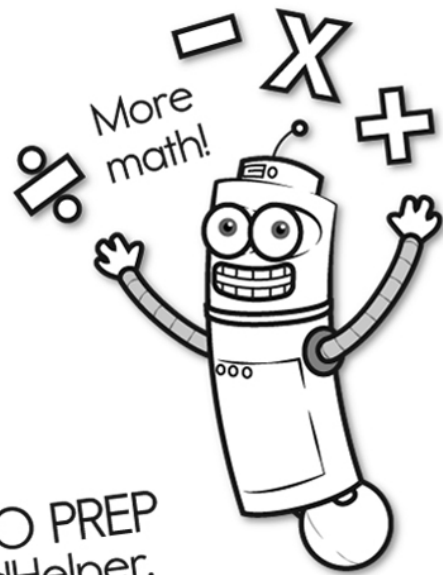
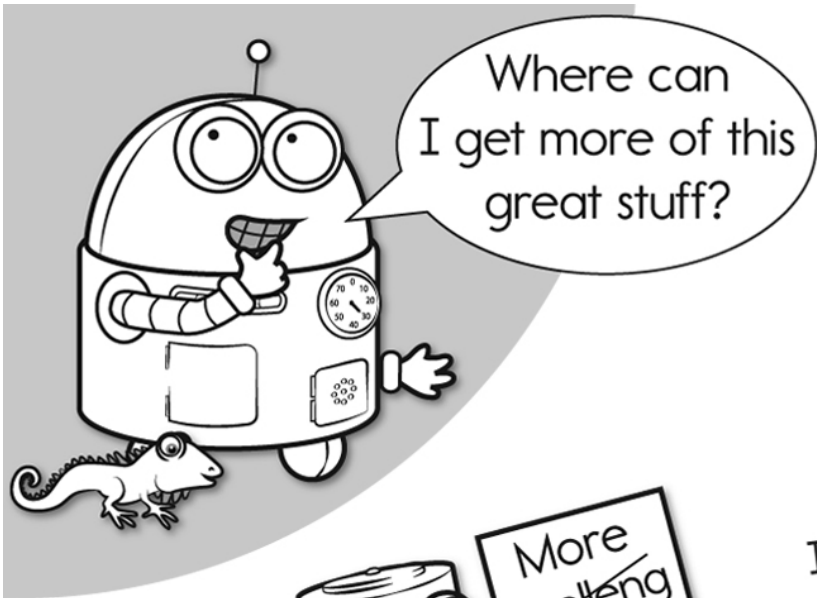
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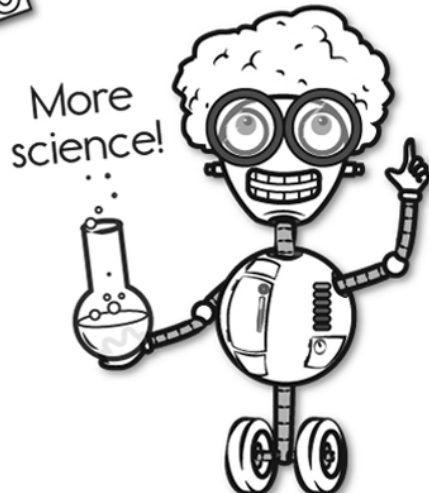
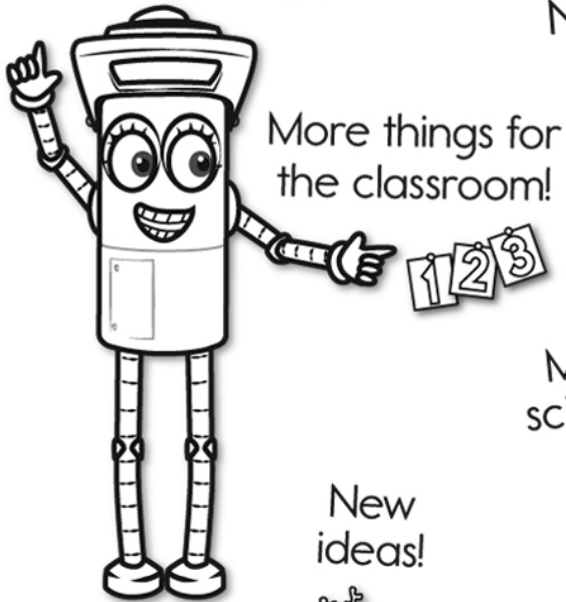
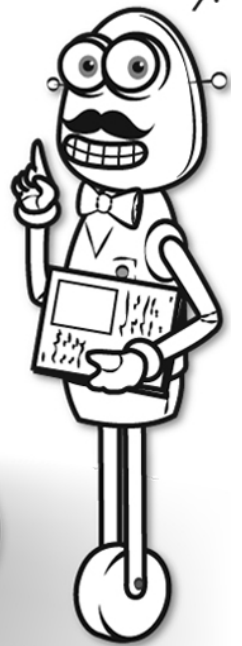
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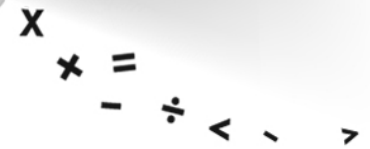


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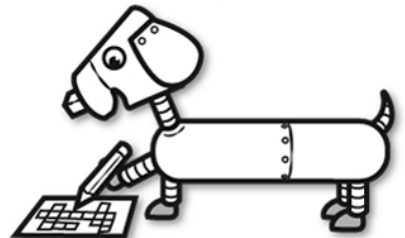
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