

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 5 in your head

add 3

multiply 5

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

A

imagine 7 in your head

add 6

subtract 8

add 2

subtract 4

multiply 3

Write the number.

B

imagine 5 in your head

multiply 10

add 5

subtract 6

double it

Write the even digit in your answer.

C

imagine 7 in your head

add 9

subtract 8

subtract 5

multiply 9

Write the ones 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?

_____ t _____ - _____ g h _____

8 after 13 _____

3 before 17 _____

6 before 11 _____

1 after 15 _____

4 before 14 _____

5 before 13 _____

6 after 18 _____

8 before 16 _____

9 before 19 _____

Name: _____

Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.

START 3	2	9	9
7	2	2	7
8	9	6	5
1	1	4	FINISH SUM: 24

3 + 7 + 2 + 2 + 6 + 4 =
24

START 8	9	16	14
12	5	7	11
10	14	17	FINISH SUM: 76

8 + 9 + 16 + _____ + _____ +
_____ + _____ = 76

START 9	7	6	6
7	9	7	8
8	6	8	6
6	7	9	FINISH SUM: 49

9 + 7 + _____ + _____ + _____ + _____ =
49

START 3	3	5	9
1	5	7	6
9	9	4	4
6	6	2	FINISH SUM: 42

Did you find a path? Write the equation.

Name: _____

Alex built a reading loft in his room. The floor of the loft was 6.3 feet long and 5.4 feet wide. What was the perimeter of the loft?

Hannah's favorite TV show is "Funny Farm." It makes her laugh and laugh. It comes on at 4:30 p.m. If Hannah gets home from school at 3:17 p.m., how long will it be before "Funny Farm" begins?

It is Monday, and Hannah is trying to use her pencil for as long as she can. It is currently 8.4 centimeters long. She thinks she will use 1.29 centimeters of the pencil each day. If she can use her favorite pencil that amount each day until it is 3 centimeters long, then on which day will she need to stop using this pencil?

Name the place value that is 100 times greater than the tenths place.



Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

$$10 \times 2 + 10$$

75, 80, _____, 90, 95, 100,
105, 110

A rectangle is 38 cm on one side and 8 cm on another side. What is the perimeter?

$$5 \frac{2}{5} + 3 \frac{2}{5}$$

What 4 coins add up to 21 cents?

$$7 + (12 - 11) + 8$$

$\frac{1}{8}$, (1), (8), (64),
_____, (4,096),
(32,768), (262,144),
(2,097,152), (16,777,216)

The diameter of a circle is 920 cm. What is the radius of this circle?

Round 88,544 to the nearest hundred.

25, 31, 38, 46, 55, 65, 76,
_____, 101, 115, 130

It's 11:00 a.m. Emma has soccer practice today. If practice starts at 5:40 p.m., then how much longer until soccer starts?

2, 2, 0, 6, 6, 2, 2, 0, 6, 6,
2, 2, 0, 6, _____, 2, 2



Name: _____

Spin again.

I needed to spin _____ time(s) to finish.

How much time is it from
8:00 a.m. to 11:30 a.m.?

66, 77, 88, 99, _____, 121,
132

How many centimeters in
670.8 meters?

I, A, I, A, I, A, I, _____,
I, A, I, A

$$10 - 4 + 1$$

$$11 \div \frac{1}{2}$$

Know how many inches in
a foot? Okay, smarty pants,
how many inches in 7 feet?

Pick the family fact that is
missing.

$$7 \times 17 = 119$$
$$119 \div 7 = 17$$
$$17 \times 7 = 119$$

What is 50% of 1,348?

Draw a number line

with 0, $\frac{1}{2}$, and 1. Show
where $\frac{4}{11}$ would go. Is
 $\frac{4}{11}$ closer to 0, $\frac{1}{2}$, or 1?

289, 258, 229, 202, 177,
154, 133, _____, 97, 82, 69,
58, 49

The perimeter of a
rectangle is 22 cm. The
longer side is 7 cm. How
long is the shorter side?

Name: _____

Write a letter that has a line of symmetry.

Write the missing family fact.
 $4 \times 25 = 100$
 $100 \div 25 = 4$
 $25 \times 4 = 100$

$1 \text{ kg} = 1,000 \text{ g}$
 $13 \text{ kg} = \text{_____} \text{ g}$

Can 625 be evenly divided by 5? Circle:
625 is evenly divisible by 5
625 is NOT evenly divisible by 5

$$\begin{array}{r} 22 \\ + 48 \\ \hline \end{array}$$

$$\begin{array}{r} 488 \\ + 361 \\ \hline \end{array}$$

Circle the digit in the tenths place.
93.93

$$\begin{array}{r} 54 \\ - 28 \\ \hline \end{array}$$

$7 \times 6 =$

Erin wants Jessica to guess a three digit number. She tells Jessica that her number has three different digits. The digits are 9, 8, and 7. Jessica thinks. She then guesses the number 879. What are the chances that Jessica has guessed correctly?

$$\begin{array}{r} 490 \\ - 463 \\ \hline \end{array}$$

$23 \text{ km} = \text{_____} \text{ m}$

$84 \div 12 =$

How many grams are in 2 kilograms?
_____ grams

Add the correct end punctuation for this sentence.
I can't believe our team won the national championship

Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum																												
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B	L																												

Justin invented a robotic bug. The bug can crawl four centimeters in twenty-three seconds. How long would it take the bug to crawl thirty-two centimeters?

Rose invented a robot. The robot's name is Connor. Connor can go a maximum speed of 2 mph. At that rate, how long would it take Connor to go 7 miles?

$35 \div 5 =$

$(8 + 5) + 2 =$

Insert a comma in the correct place in this sentence.

Yes I have learned that the first ten amendments of the Constitution are called the Bill of Rights.

Name: _____

$12 \times 4 =$

A 8 cm x 8 cm x 8 cube was made by Peter. He used centimeter blocks. How many blocks did he use?

Circle the addition property for $57 + 73 = 73 + 57$.

associative property
commutative property

Which has the largest answer?

401×310 417×310 419×310

Write 520,129 in words.

Megan wrote down a fraction on a piece of paper. If you take her fraction and multiply it by seven you get thirteen. Can you guess what her fraction is?

$110 \div 10 =$

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

nine hundred sixty-two thousand, five hundred nine

$10 \times 8 =$

Name: _____

x • 0 • 6 • 9 • 6 • 1 • ÷ • 3 • 9 • 3 • 1 • = • = • 3 • 6 • 8
8 • 7 • x • 0

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

				3					2		0	=	0
				6					7				
			5	÷					0	÷	7	=	
3		÷	4	=		2		9					
				=	x		=						
9	÷	3	=		4	x		=		6			
				5									
								1	8	÷		=	
		6	x		=	4							
		x											
2		4	=	8									
		4											
0	÷	1	2	=									

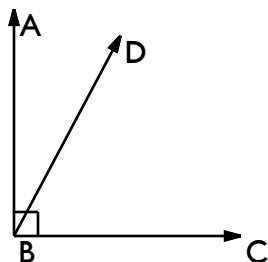
For 398,071,792,601, write the digit that is in the hundred thousands place.

What time is 17 hours after 3:00 a.m.?

Write a synonym for this word.
significant

What is the homophone of this word?
whole

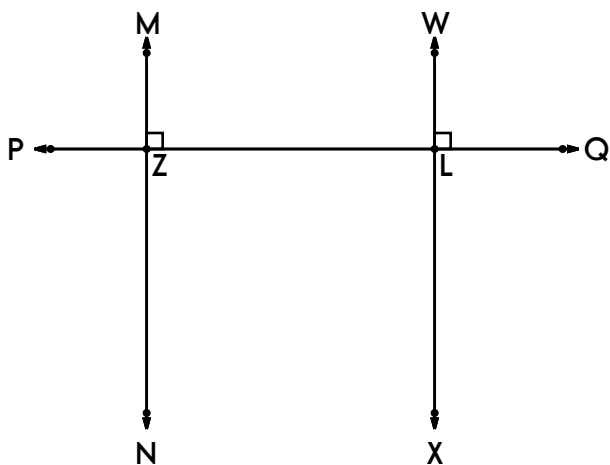
Name: _____



What kind of angle is $\angle ABC$?



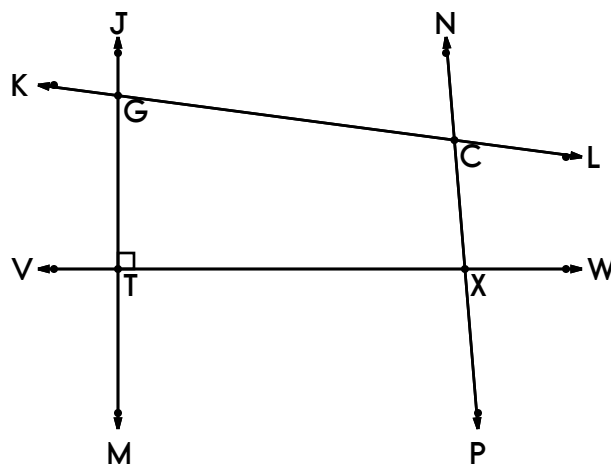
What kind of angle is this?



Name 2 parallel lines (or write none).

Name 2 perpendicular lines (or write none).

Give another name for angle $\angle PZM$.



How many different angles can you name that include point X.

Write the angle that is the supplement of 159° .

Write the angle that is the supplement of 138° .

Sketch an obtuse angle named $\angle FGH$.

Name: _____

Use mental math to quickly solve.

$$43.36 \div 10 = \underline{\hspace{2cm}}$$

$$0.57 \div 10 = \underline{\hspace{2cm}}$$

$$95.98 \div 10 = \underline{\hspace{2cm}}$$

$$0.925 \div 10 = \underline{\hspace{2cm}}$$

$$8,801.1 \div 100 = \underline{\hspace{2cm}}$$

$$224.3 \div 100 = \underline{\hspace{2cm}}$$

$$0.288 \div 10 = \underline{\hspace{2cm}}$$

$$411.2 \div 100 = \underline{\hspace{2cm}}$$

$$73.84 \div \underline{\hspace{2cm}} = 7.384$$

$$55.7 \div \underline{\hspace{2cm}} = 0.557$$

$$64.43 \div \underline{\hspace{2cm}} = 6.443$$

$$\underline{\hspace{2cm}} \div 10 = 0.094$$

$$633.2 \div 100 = \underline{\hspace{2cm}}$$

$$7,103.5 \div \underline{\hspace{2cm}} = 71.035$$

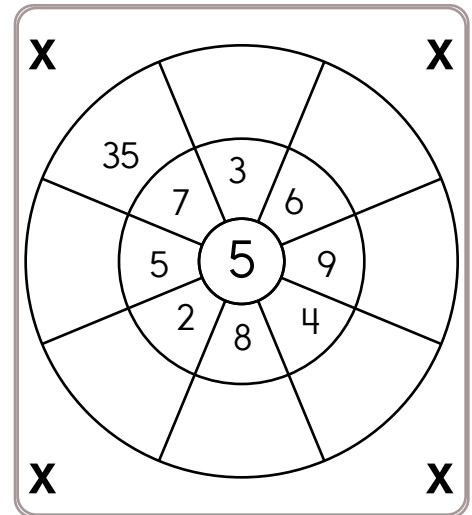
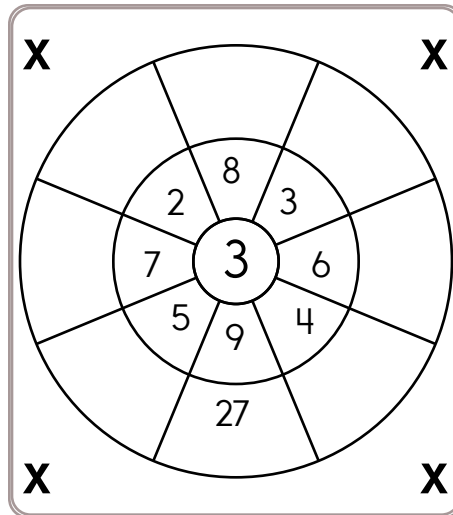
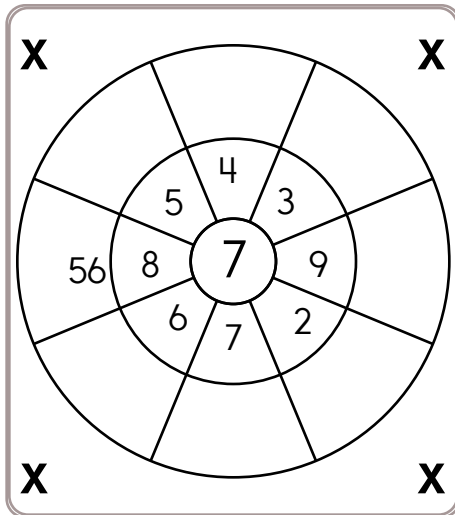
$$4 \overline{) 3.2}$$

$$2 \overline{) 7.8}$$

$$3 \overline{) 3.3}$$

Name: _____

Multiply the numbers by the number in the center.

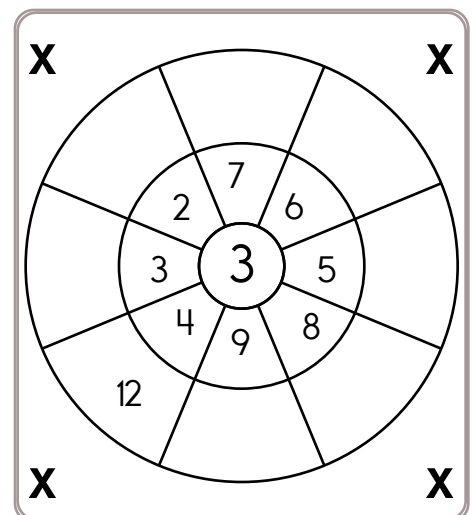
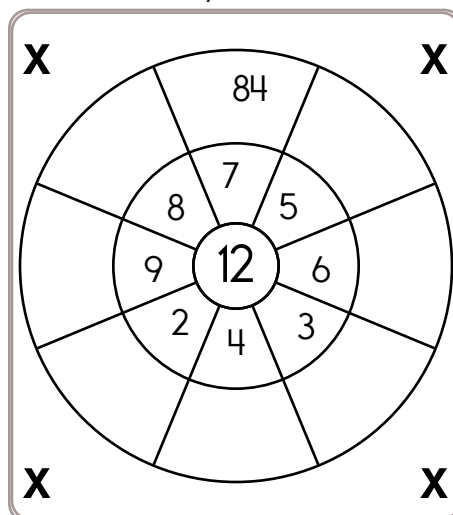
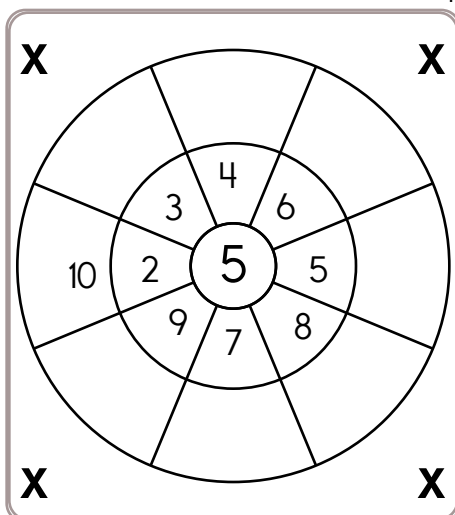


$5 \times 9 =$ $11 \times 8 =$ $0 \times 10 =$ $2 \times 3 =$ $3 \times 3 =$

$10 \times 12 =$ $12 \times 1 =$ $2 \times 7 =$ $10 \times 12 =$ $4 \times 8 =$

$5 \times 6 =$ $9 \times 7 =$ $6 \times 11 =$ $1 \times 11 =$ $0 \times 4 =$

Multiply the numbers by the number in the center.

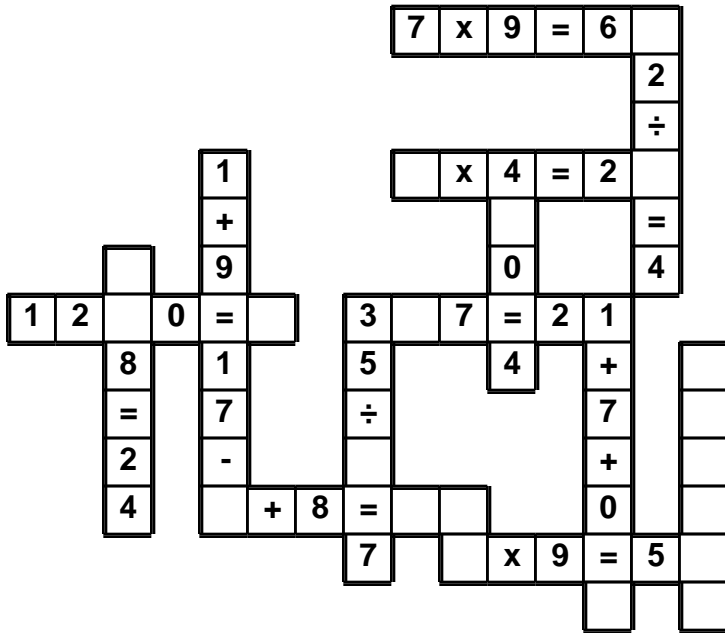


$8 \times 8 =$ $4 \times 10 =$ $6 \times 1 =$ $0 \times 12 =$ $2 \times 2 =$

Name: _____

3 • 7 • 8 • + • 3 • x • 0 • x • 8 • x • 5 • 6 • 7 • 1 • 5 • =
6 • 4 • 8 • 8

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



Estimate quickly the difference.
 $6,340 - 2,980$

How many minutes is it from 7:00 a.m. to 11:45 a.m.?

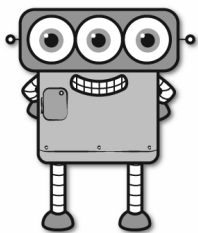
$6 \times 4 + 11$

Know how many inches in a foot? Okay, smarty pants, how many inches in 3 feet?

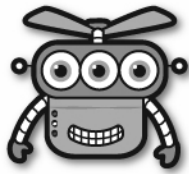
The diameter of a circle is 1,594 cm. What is the radius of this circle?

60, _____, 72, 78, 84, 90

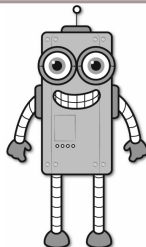
Name: _____



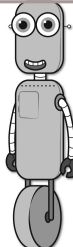
Emily



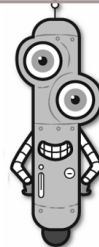
Wendy



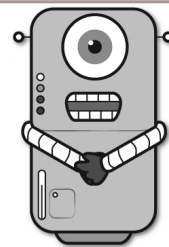
Robert



Jason



April



Peter

Facts

Robert is twice as old as Emily.

Emily is six years old.

Peter is fifty-six years older than Robert.

April is forty-two years older than Wendy.

Jason is seventy-one years older than Emily.

Wendy is eighteen years older than Emily.

How old is Emily? _____

How old is Wendy? _____

How old is Robert? _____

How old is Jason? _____

How old is April? _____

How old is Peter? _____

Write an equation to represent this:

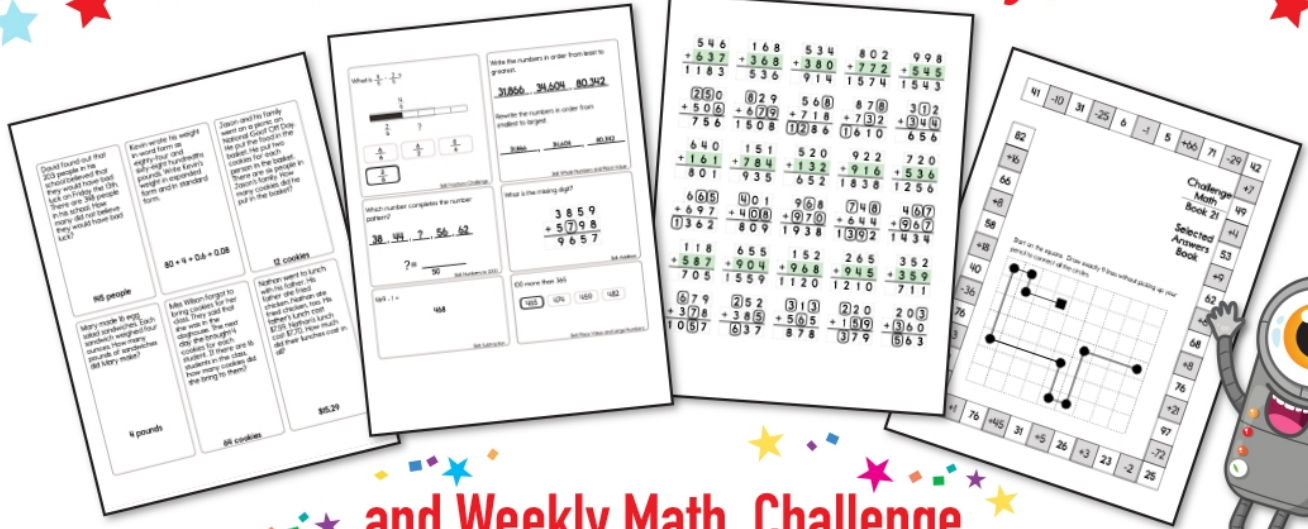
The sum of eight and five is thirteen.

Circle the greatest number:

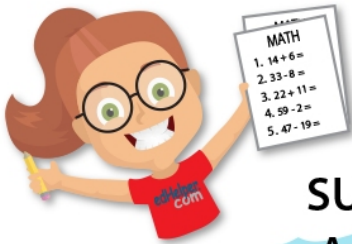
423,695,718,013 8,340,217,596

83,245,079 745,269,806

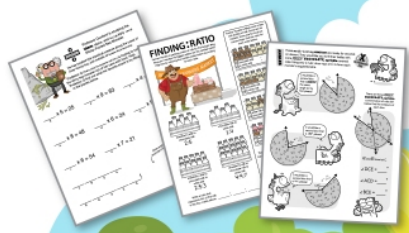
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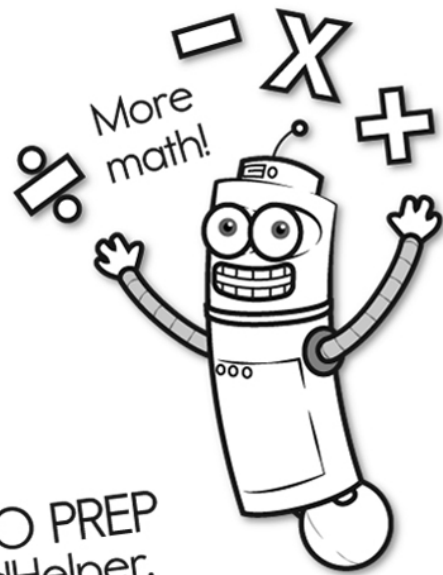
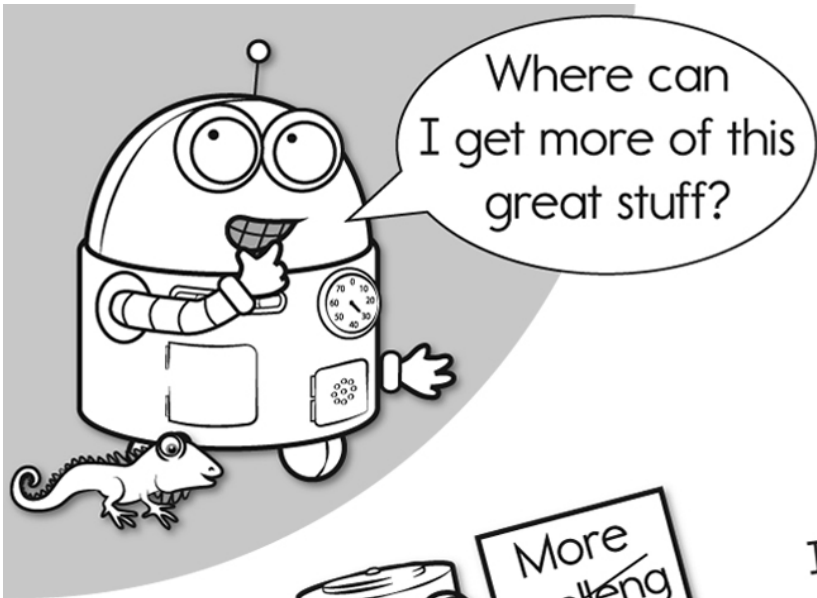
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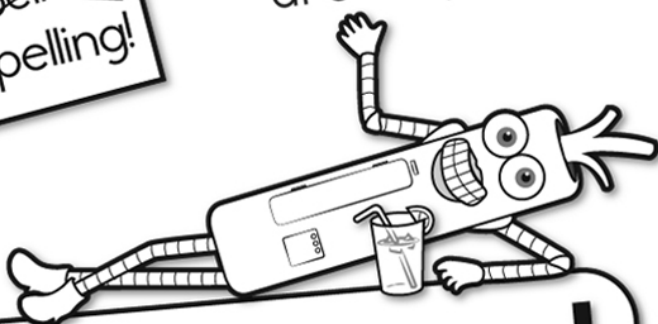


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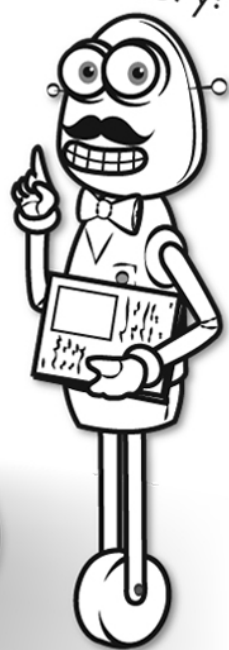


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More history!



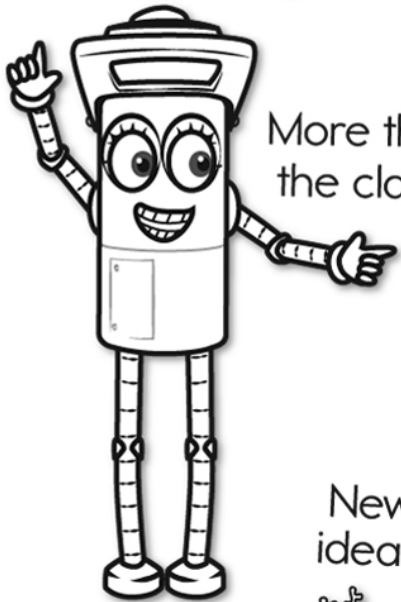
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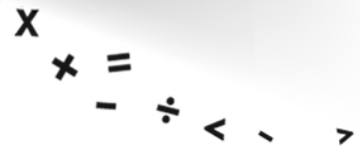
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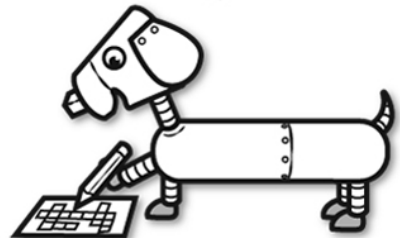
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New ideas!



More puzzles!



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