

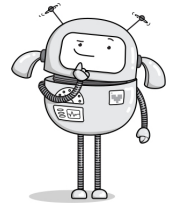
Name: _____

Secret Mission: You have been hired to develop and evaluate robots' math skills. Sometimes, they give thorough, correct explanations. However, they occasionally go haywire.

Robot Rita was given a math problem to solve.

Emily invited her friends over to celebrate her birthday. She has 41 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 3 boxes of strawberry sour mints. She has 17 boxes left. How many goodie bags did she give out?

Robot Rita thinks this might be the answer:

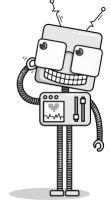


She gave out $41-17= (41-17=24)$ 24 boxes of mints
So she gave out $24/3= (24/3=8)$ 8 bags. Answer: 8.

Robot Rita did not explain too much. How do you think Robot Rita could have shown her work better?

Name: _____

She is not sure that is correct, so she asked Robot Rob for help. This is how he tries to solve the problem.



Emily originally had 41 boxes of strawberry sour mints and was left with 17 boxes, meaning she gave away $41 - 17 = 24$ boxes. Since each goodie bag contains 3 boxes of mints, to find out how many goodie bags she gave out, we divide the total number of boxes given out by the number of boxes in each bag. So, Emily gave out $24 \div 3 = (24/3=8)$ 8 goodie bags.

If you were the teacher, how would you grade Robot Rob's work? Explain and also make comments in Robot Rob's work.

Hint: EdHelper's answer pages gave this answer.

She made and gave out 8 goodie bags.

Name: _____

Now that you have seen edHelper's answer and how the robots tried to solve this problem, how would you solve it? Show your steps and explain.

Emily invited her friends over to celebrate her birthday. She has 41 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 3 boxes of strawberry sour mints. She has 17 boxes left. How many goodie bags did she give out?

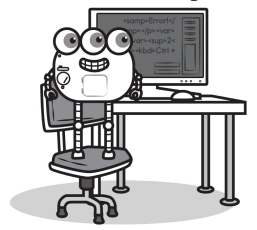
Name: _____

Now it's your turn. You've seen how the robots tried to solve this problem, and you corrected their work. Now you try doing it!

Mary invited her friends over to celebrate her birthday. She has 42 boxes of strawberry sour mints to give her friends. In their goodie bags she gave them each 4 boxes of strawberry sour mints. She has 18 boxes left. How many goodie bags did she give out?

Name: _____

Robot was given a math problem to solve.



It was such pandemonium! There were books stacked everywhere in the new bookstore. Justin finally found the book he wanted at the bottom of the stack. He gave the clerk a 20-dollar bill. If the price of the book was \$15.66, how much change did he get?

Robot wrote this program in Python to solve it.

```
money_given = 20
price_of_book = 15.66

change = money_given - price_of_book
print(change)
```

Robot's program will print the answer to the math problem.

What will the program print out? Fill in the blanks.

_____ . _____



Hints and Questions

After Robot's program is done, the variable `money_given` will have a value in it. What value does it have?

In the program, "`money_given`" is called a variable.

It is used to store a value. Name two other variables used in the program.

Name: _____

$$30 + n = 41$$

What is the value of n?

10, 11, 13, _____, 20, 25, 31,

38, 46, 55, 65

Round 8,405 to the nearest thousand.

(29,296,875) , (5,859,375) ,

(1,171,875) , (234,375) ,

(46,875) , (9,375) , (1,875) ,

(375) , _____, (15)

Draw a number line

with 0, $\frac{1}{2}$, and 1. Showwhere $\frac{6}{10}$ would go. Is $\frac{6}{10}$ closer to 0, $\frac{1}{2}$, or 1?

Circle the three numbers whose product equals 594.

9 7 11

9 6 4

$$4 \times 1 \times 1$$

What is 50% of 984?

What is the area of a rectangle with sides 2 cm and 11 cm?

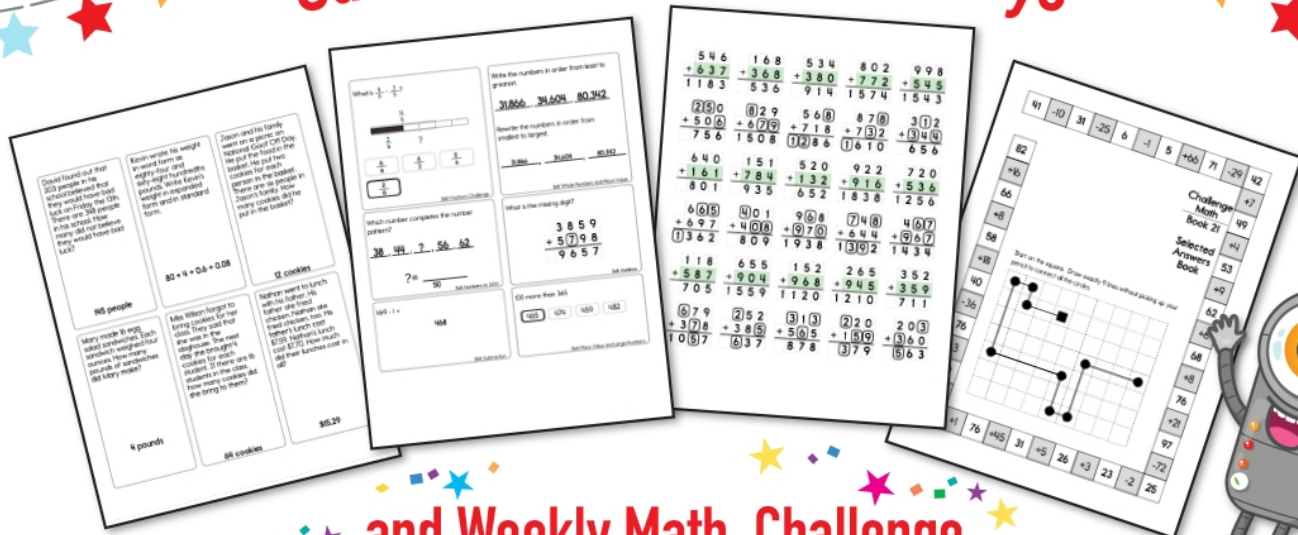
60, 68, 76, 84, 92, 100,

_____, 116

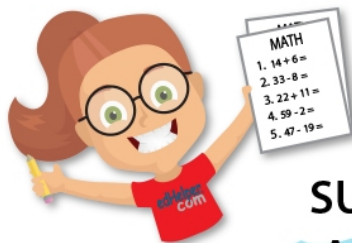
Write $\frac{4}{8}$ in lowest terms.

How many centimeters in 1.4 meters?

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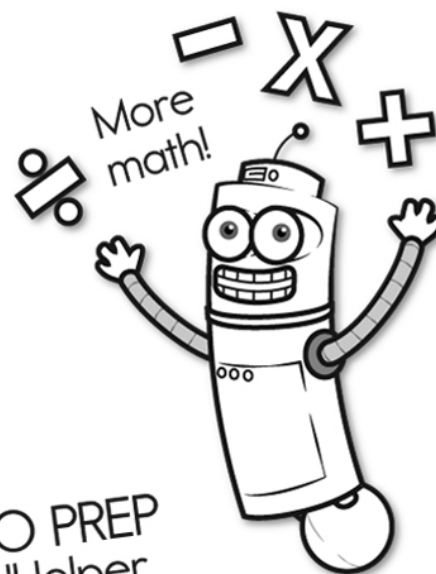
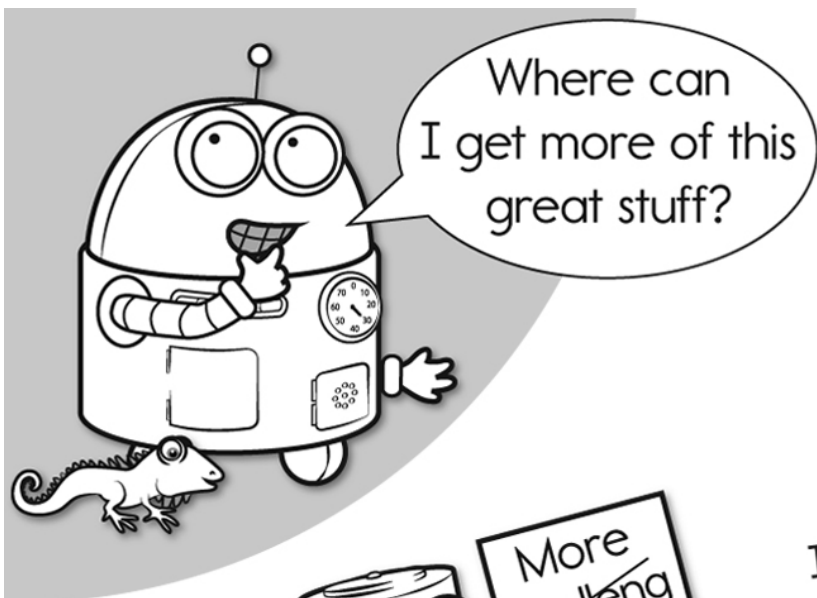


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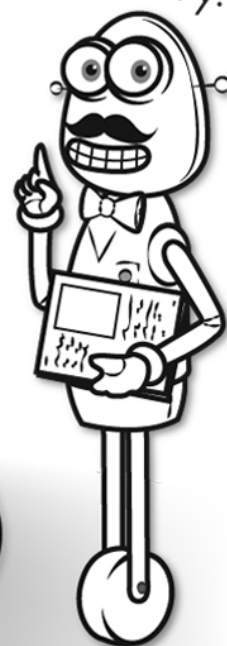


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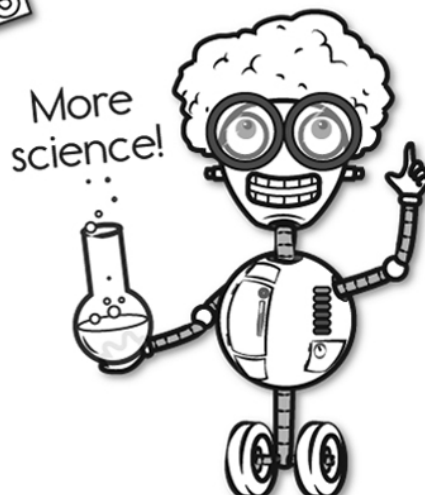
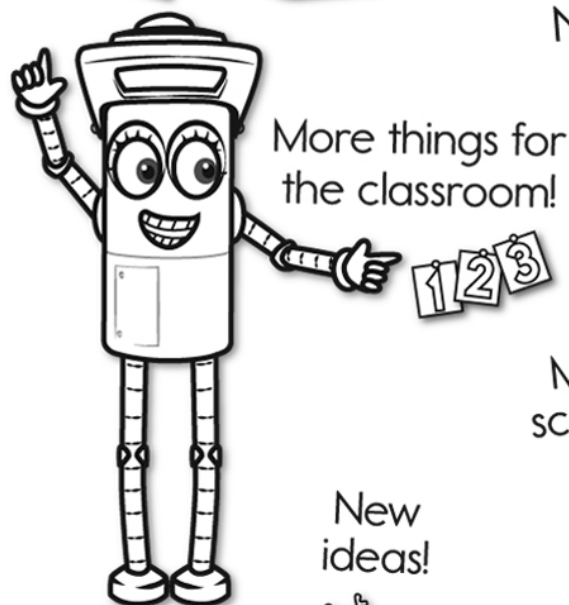
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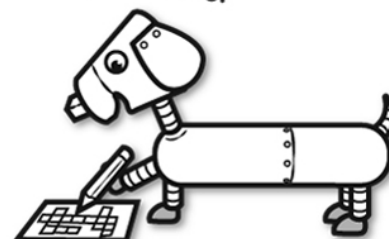


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