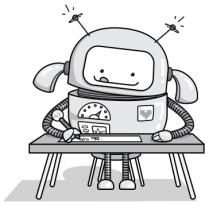
Name: _____

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.

Jessica likes to run. She used a running app on her phone in July. During the month, she ran an average of 2.5 miles per day. How many miles did she run for the entire month?

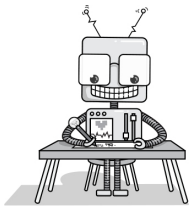
Robot Rita thinks this might be the answer:



July has 31 days and she ran an average of 2.5 miles per day so she ran 31 times 2.5 = (31 times 2.5=77.5) 77.5 miles. Answer: 77.5.

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.

The answer depends on the number of days in July. Given that July consistently has 31 days, you would multiply 2.5 (the average miles she runs per day) by 31 (the number of days in July).

So, 2.5 miles/day times 31 days = 77.5 miles

So, Jessica ran 77.5 miles for the entire month of July.

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.

77.5 miles

Name: _____

Remember how the robots gave solving that problem a try? Now it's your turn! Can you solve this cool math problem? Try to walk us through each step, and see if you can come up with an answer even better than the robots did! Is your answer the same as edHelper's?

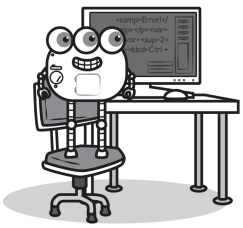
Jessica likes to run. She used a running app on her phone in July. During the month, she ran an average of 2.5 miles per day. How many miles did she run for the entire month?

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!

Jessica likes to run. She used a running app on her phone in October. During the month, she ran an average of 2.7 miles per day. How many miles did she run for the entire month?

Name: _____



Robot was given a math problem to solve.

Kevin wants to do 92 sit-ups. So far he has counted three dozen. How many more sit-ups does he need to do to meet his goal?

Robot wrote this program in Python to solve it.

```
total_situps = 92
done_situps = 3 * 12
remaining_situps = total_situps - done_situps
print(remaining_situps)
```

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

Hints and Questions

To multiply in Python * is used.
test_multiply = 4 * 18 # assign 72 to the variable test_multiply
print(test_multiply) # this would print test_multiply to the screen

Write a line of code to calculate the product of 6 times 19 and store it in the variable cookies_to_bake.

Write a line of code to print cookies_to_bake to the screen.

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

Name: _____

How much time is it from 8:00 a.m. to 11:25 a.m.?

A rectangle is 36 cm on one side and 15 cm on another side. What is the perimeter?

The perimeter of a rectangle is 20 cm. The longer side is 6 cm. How long is the shorter side?

It's 9:00 a.m. Ava has soccer practice today. If practice starts at 2:35 p.m., then how much longer until soccer starts?

The area of a rectangle is 18 cm^2. What could the length of the 4 sides be?

What 3 coins add up to 3 cents?

3 - 2 + (7 x 6)

Round 76,738 to the nearest hundred.

Round 18,708 to the nearest thousand.

What is the area of a rectangle with sides 5 cm and 10 cm?

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

13, _____, 17, 19, 21, 23, 25, 27

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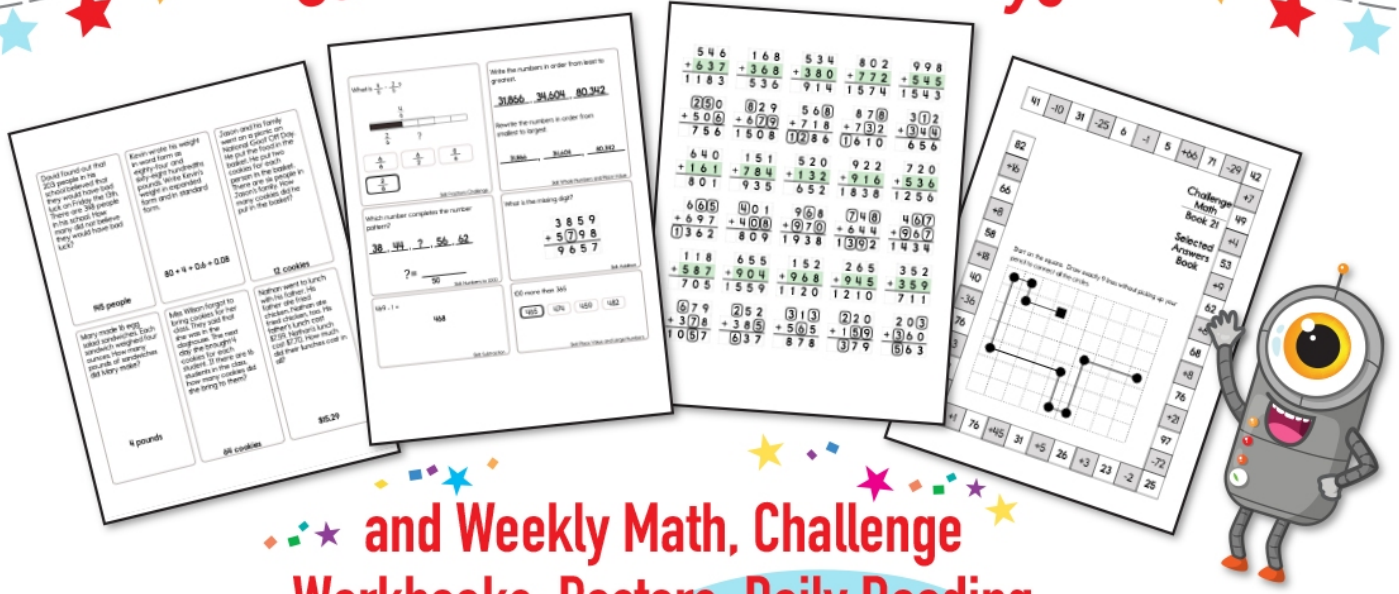

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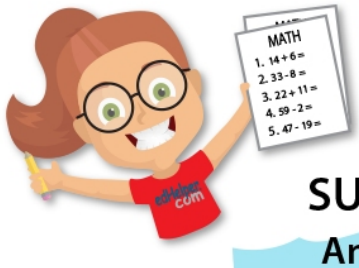

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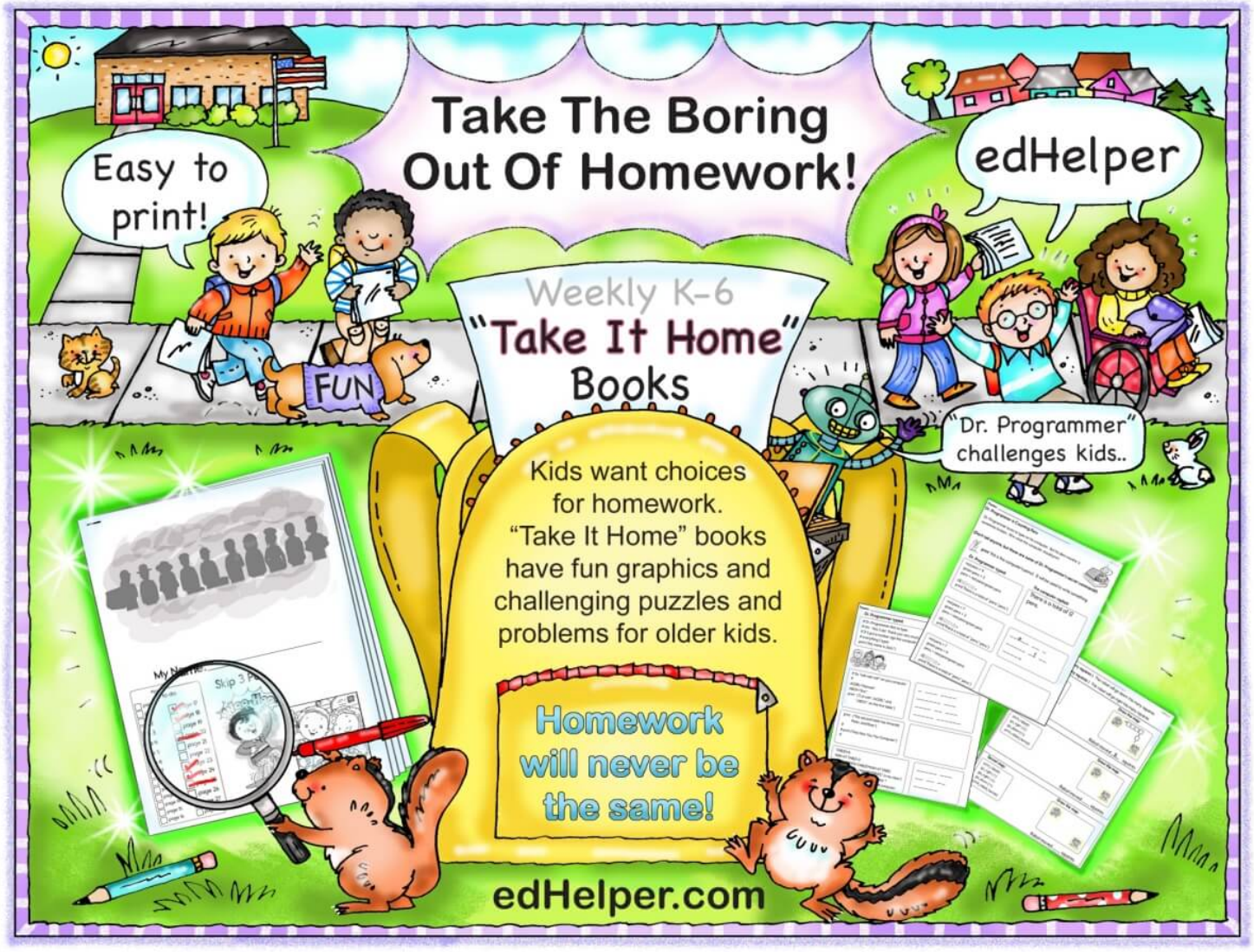
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