

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.

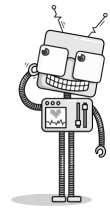
Robot Rob was given a math problem to solve.

Nathan's favorite player is number 48 - 15. "What's your favorite player?" Nathan asks Jason.

"My favorite player's jersey has a number that is 8 less than your favorite player," Jason replies.

What number is on the jersey of Nathan and Jason's favorite players?

Robot Rob thinks this might be the answer:



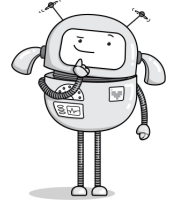
Nathan's favorite player's number is $48 - 15 = (48-15=33)$ 33.

Jason's favorite player's number is $33 - 8 = (33-8=25)$ 25. Answer: 33, 25.

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

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



To solve this problem, we need to determine the jersey number of Nathan's favorite player first. The problem tells us that Nathan's favorite player is number $48 - 15$. So, we do the subtraction to get:

$$48 - 15 = 33$$

So, Nathan's favorite player's jersey number is 33.

Next, we know from the problem that Jason's favorite player's jersey number is 8 less than Nathan's favorite player. So we subtract 8 from Nathan's player's number, 33, to get Jason's player's number:

$$33 - 8 = 25$$

So, Nathan's favorite player's jersey number is 33 and Jason's favorite player's jersey number is 25.

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

Hint: EdHelper's answer pages gave this answer.

Nathan's jersey number is 33 and Jason's jersey number is 25

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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.

Nathan's favorite player is number 48 - 15. "What's your favorite player?" Nathan asks Jason.

"My favorite player's jersey has a number that is 8 less than your favorite player," Jason replies.

What number is on the jersey of Nathan and Jason's favorite players?

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Now, it's your moment to shine! After observing the robots' attempts and fine-tuning their efforts, it's your turn to step up and give it a go!

Eric's favorite player is number 42 - 18. "What's your favorite player?" Eric asks Hunter.

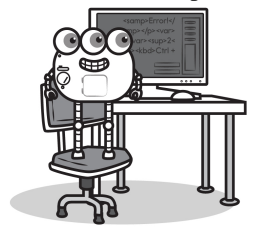
"My favorite player's jersey has a number that is 6 more than your favorite player," Hunter replies.

What number is on the jersey of Eric and Hunter's favorite players?

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Robot was given a math problem to solve.

Farmer Fred has 31 pumpkins in his patch. Farmer Frank has 44 pumpkins in his patch. How many pumpkins do they have in all?



Robot wrote this program in Python to solve it.

```
fred_pumpkins = 31
frank_pumpkins = 44

total_pumpkins = fred_pumpkins + frank_pumpkins

print("The total number of pumpkins is", total_pumpkins)
```

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

The total number of pumpkins is ____ ____



Hints and Questions

In the program, "fred_pumpkins" is called a variable.

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

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

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$$9 + 6 - 2$$

78, _____, 104, 117, 130, 143,
156

If you know
 $87 + 19 = 106$
 Then what is $87 + 17$?

50, 62, 74, 86, 98, 110, 122,
 _____, 146

Round 47 to the nearest 10.

2 tens, 8 ones, 6 thousands

Find a clock. What time is it
 right now?

Circle the number that is
 largest.

20,200 22,000

20,020 20,002

15, _____, 19, 21, 23, 25,
 27, 29, 31

	7	9
+		6
<hr/>		

$$7 - 4 - 2 + 1 + 4$$

How many hours are there
 from 7 a.m. to 4 p.m.?

The party is at 2 p.m. In
 only 12 minutes the party
 starts. What time is it right
 now?

Circle the odd numbers.

76 38 71 59

47 32 75 50 34

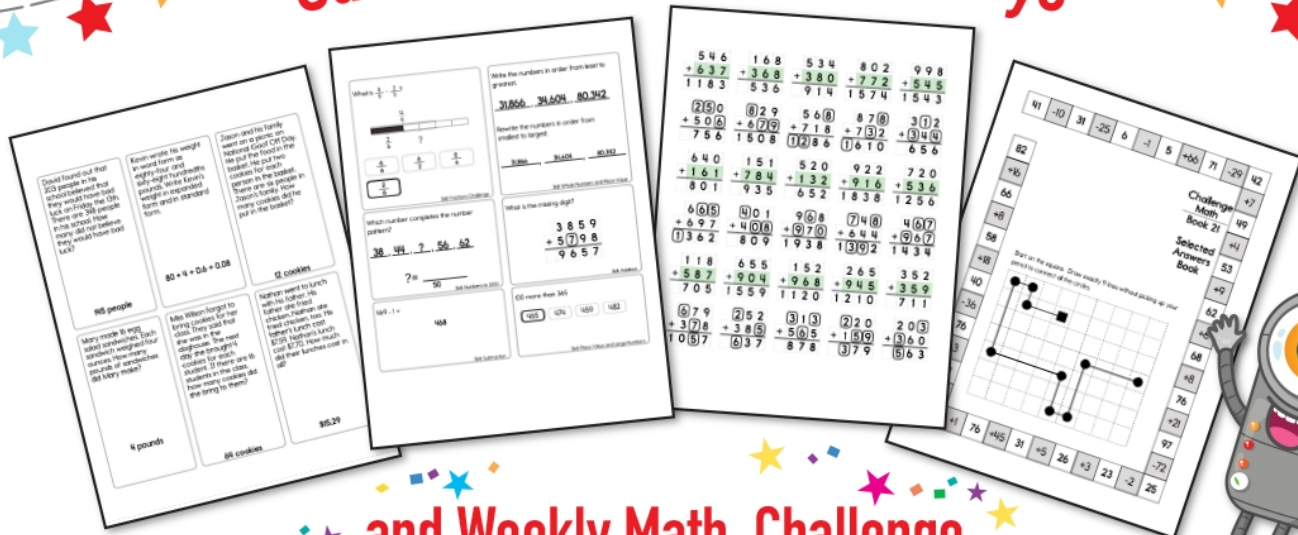
53 77 85 61

5, 5, 3, 3, 5, 5, 5, 5, 3, 3,

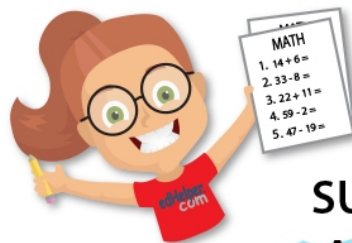
5, 5, _____, 5, 5, 5, 3, 3,

5, 5, 5, 5, 5, 5, 5, 5, 3, 3

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