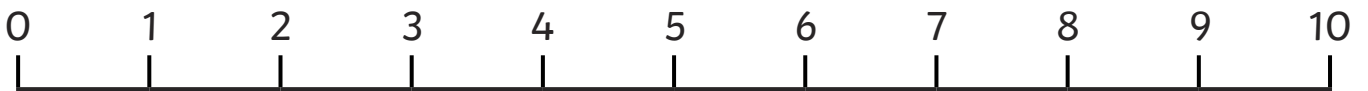# The Great North Show

To solve addition and subtraction problems using equipment and models.
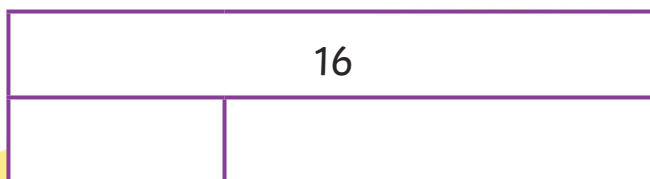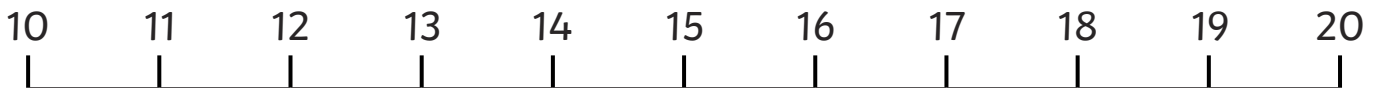
Work with a partner to solve the problems and fill in the missing gaps on the models. Use equipment to help you and talk to your partner about which methods you find helpful.

Grandad has brought his prize-winning sheep to the show.
How many prizes have the sheep won altogether?

0 1 2 3 4 5 6 7 8 9 10

| | 2 | 3 | 5 |

The dog trainer has 16 treats in her pocket but cheeky Barney eats 5 of them. How many treats does the trainer have left?

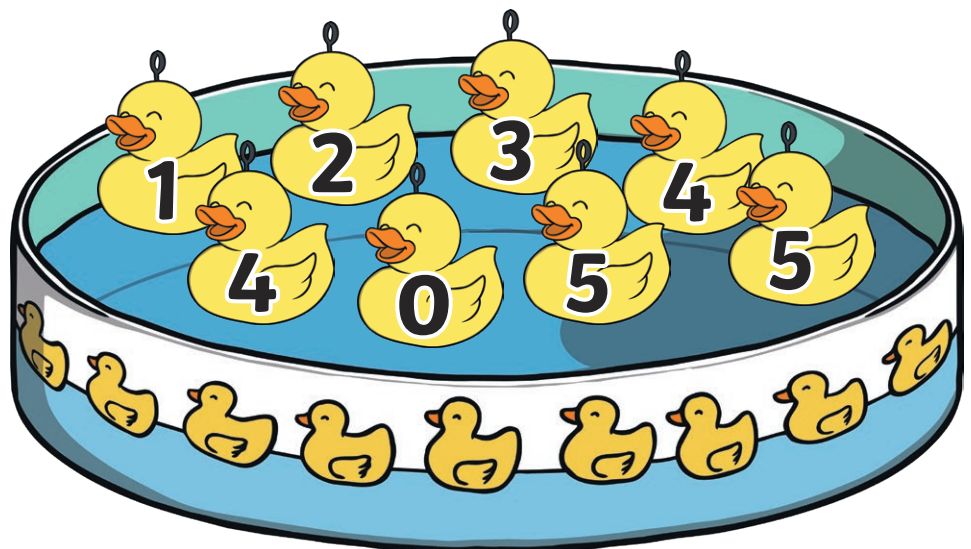10 11 12 13 14 15 16 17 18 19 20

| 16 | |
| | |

Ben had £17 but then he dropped some coins. He now has £11.
How much money did he drop?

10   11   12   13   14   15   16   17   18   19   20
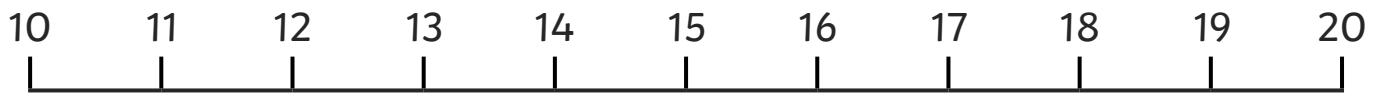
Cho has a go at the hook-a-duck game. She hooks 2 different ducks.

a) What is the most she can score? _____

b) What is the least she can score? _____

c) Ben scores 7 points. Which ducks might he have caught? _____

The Great North Show

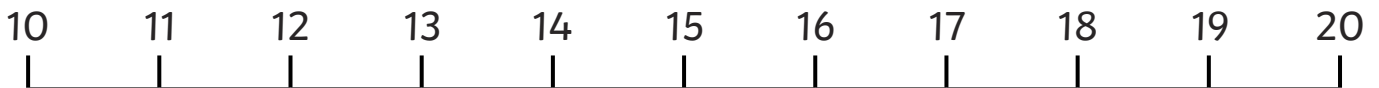To solve addition and subtraction problems using equipment and models.

Work with a partner to solve the problems and fill in the missing gaps on the models. Use equipment to help you and talk to your partner about which methods you find helpful.

Grandad has brought his prize-winning cows to the show.
How many prizes have the cows won altogether?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
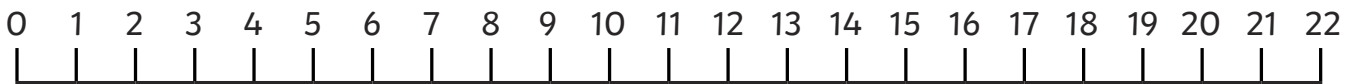
There are 18 treats for a pet show but cheeky Barney eats 7 of them.
How many treats are left for the other dogs?

10   11   12   13   14   15   16   17   18   19   20

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Maths | Addition and Subtraction | Solve Problems |
Lesson 1 of 4: Using Different Representations to Solve Problems

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Ben won some money in the Ring the Bell game. He had 12p before the game. He now has 19p. How much money did he win?

10   11   12   13   14   15   16   17   18   19   20
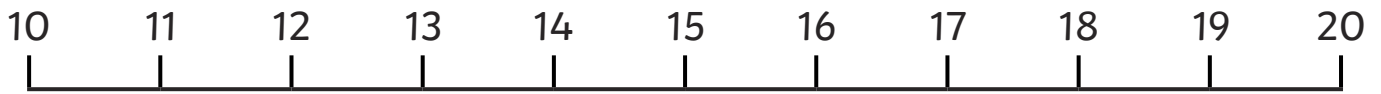
Cho has a go at the hook-a-duck game.
She needs 10 points to win. She has caught the 2 and the 5.
Which duck does she need to catch now?

_____

Ben hooks 3 ducks and scores 9 points. Which ducks might he have caught? Find 2 different posibilities.
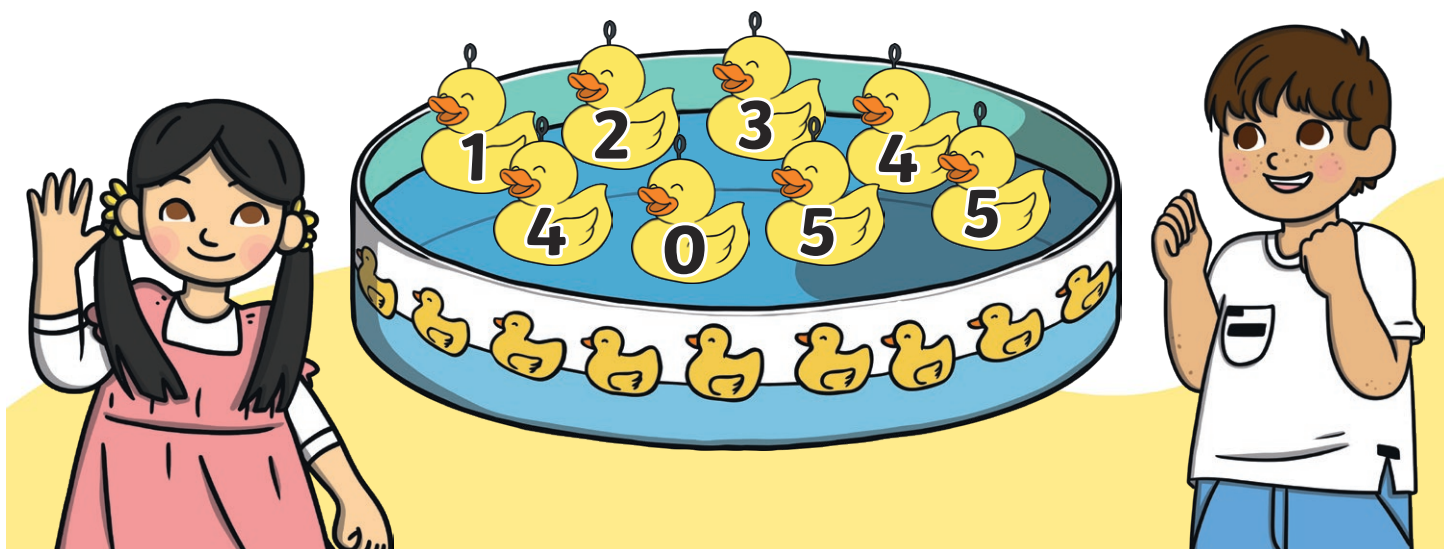
_____

_____

The Great North Show

To solve addition and subtraction problems using equipment and models.

Work with a partner to solve the problems and fill in the missing gaps on the models. Use equipment to help you and talk to your partner about which methods you find helpful.

Grandad has brought his prize-winning pigs to the show.
He won 18 points altogether. How many points did the 3rd pig get?

5   2   ?

10   11   12   13   14   15   16   17   18   19   20
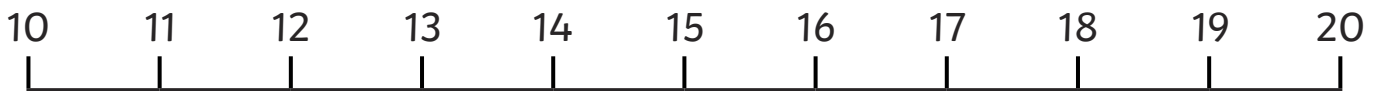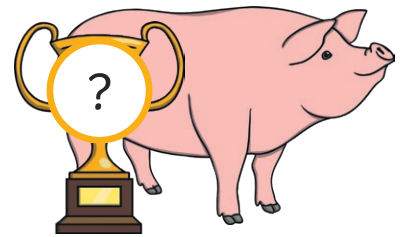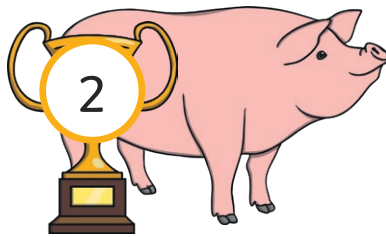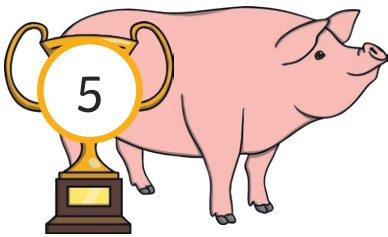
The dog trainer has 20 treats but cheeky Barney steals some.
He now has 12 treats. How many treats did Barney steal?

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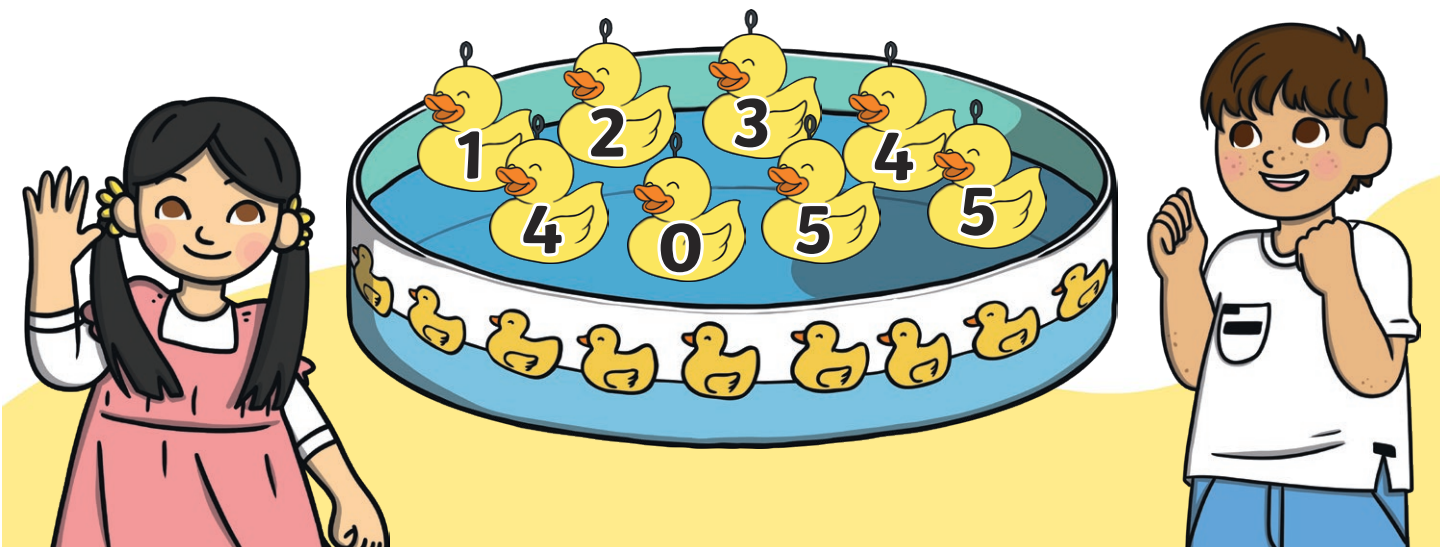
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Ben ate 7 sweets. He has 13 left. How many did he start with?
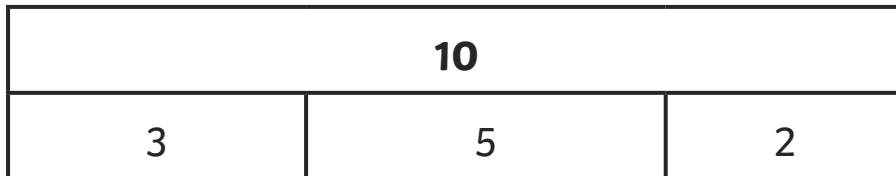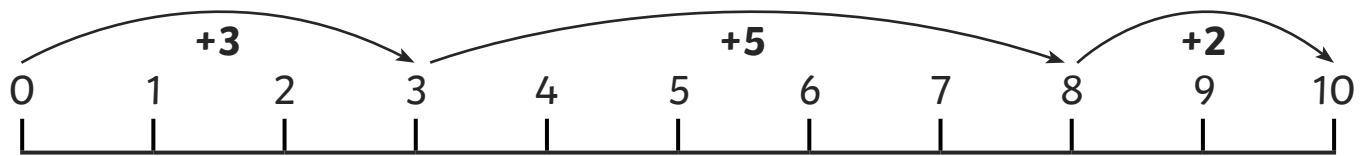Change picture to sweets.

Cho has a go at the hook-a-duck. She needs 10 points to win.
She has caught the 3 and the 0. Can she win the game?

_____

_____

Ben hooks 3 ducks and scores 9 points.
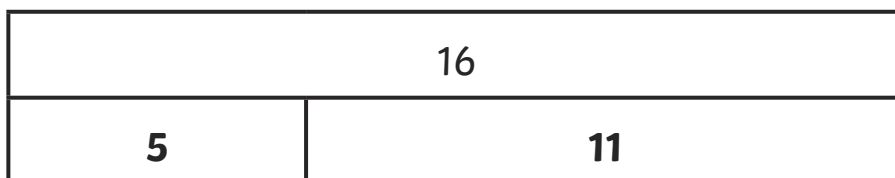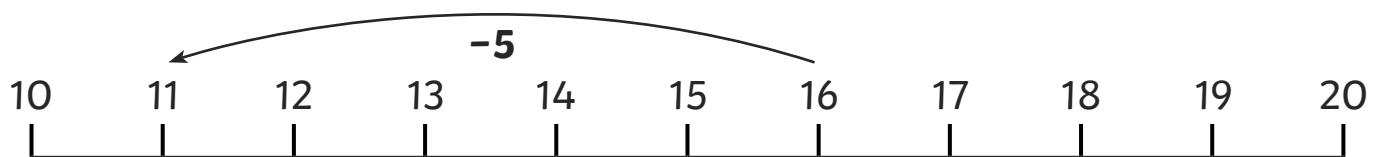Which ducks might he have caught? Find all different posibilities.
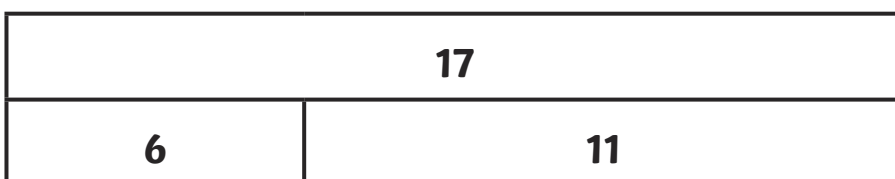
_____

_____

The Great North Show **Answers**

10

+3   +5   +2

0   1   2   3   4   5   6   7   8   9   10

10		
3	5	2

11

−5

10   11   12   13   14   15   16   17   18   19   20

16	
5	**11**

6

−6

10   11   12   13   14   15   16   17   18   19   20

17	
6	**11**

5 + 5 = 10

0 + 1 = 1

Possible answers are: **2 + 5 and 3 + 4**

The Great North Show **Answers**

18

11

7p
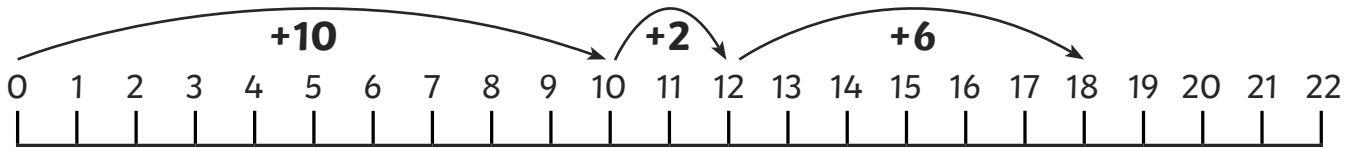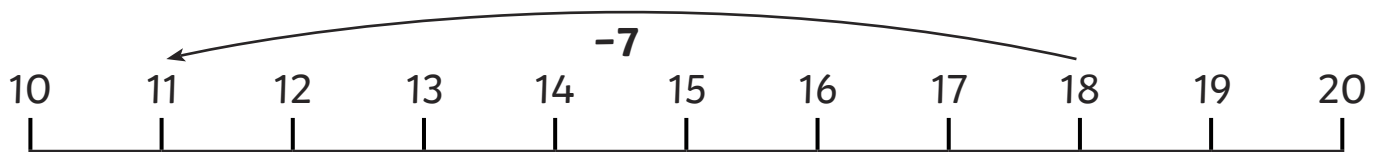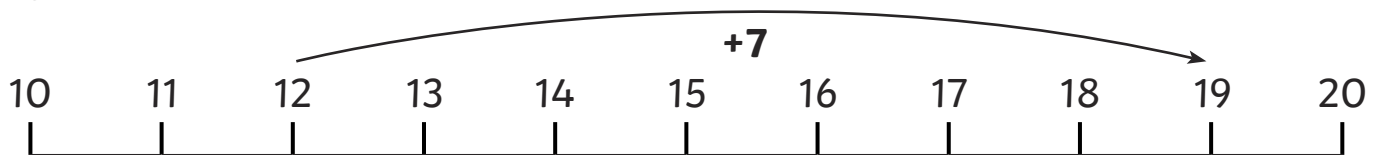
3

Possible answers include:

5 + 4 + 0	**4 + 4 + 1**
5 + 3 + 1	**4 + 3 + 2**

The Great North Show **Answers**

11

Number line from 10 to 20 with jumps −2 (from 13 to 11) and −5 (from 18 to 13).

Bar model:

18		
2	5	11

8

Number line from 12 to 20 with +8.

20	
8	12

20

Number line from 13 to 20 with +7.

20	
7	13
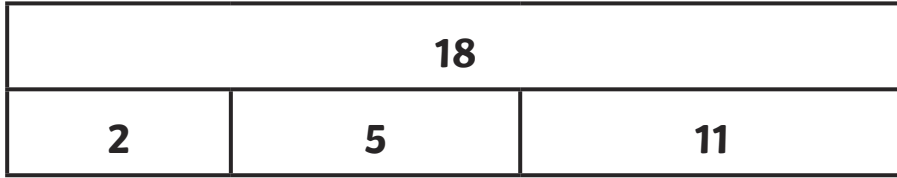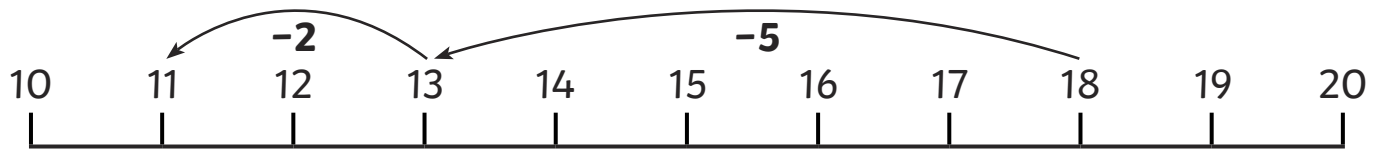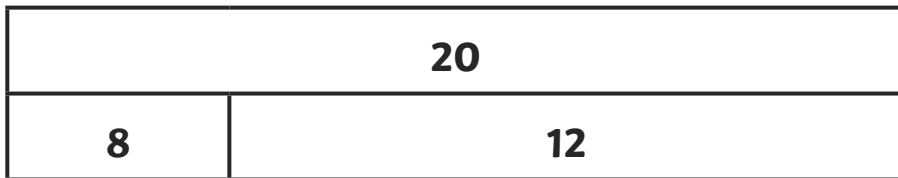
No. 3 + 0 = 3 so she needs 7 more points to win but there isn't a duck worth 7 points.
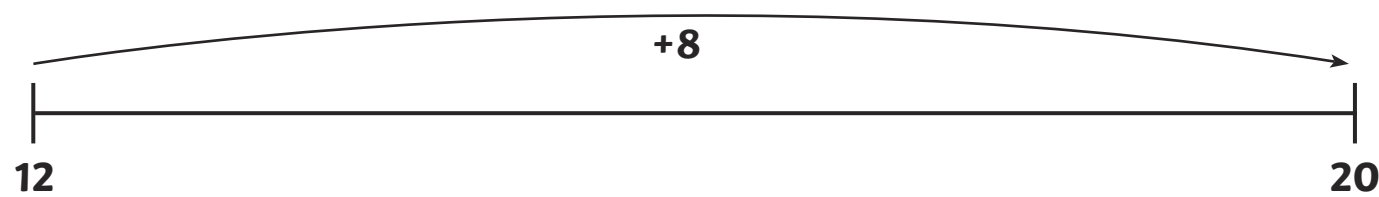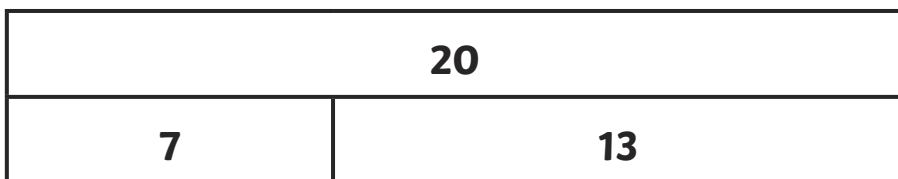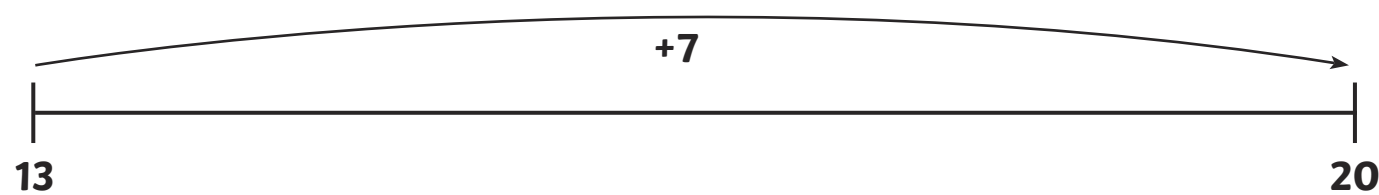
Possible answers include:

5 + 4 + 0   4 + 4 + 1

5 + 3 + 1   4 + 3 + 2