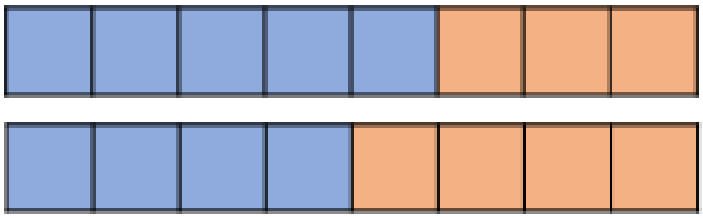
Lesson 1: Can I compare number sentences?

1. How can we use the following representation to prove that $5 + 3 = 4 + 4$?



2. Fill in the circles with either <, > or =

Steps to Success

1: work out the total for each number sentence

2: Compare

$6 + 4 \bigcirc 6 + 5$

$6 + 4 \bigcirc 3 + 6$

$11 - 4 \bigcirc 12 - 5$

$11 - 4 \bigcirc 12 - 4$

3. Complete the missing numbers.

$5 + 3 = 6 + \_\_\_\_\_$

$5 + 3 = \_\_\_\_\_ + 6 = 7 + \_\_\_\_\_$

$\_\_\_\_\_ + 3 = \_\_\_\_\_ + 4 = 5 + 5$

Deeper thinking:

1.

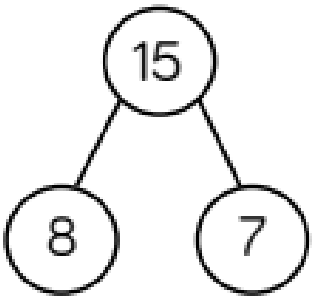
Both missing numbers are less than 10

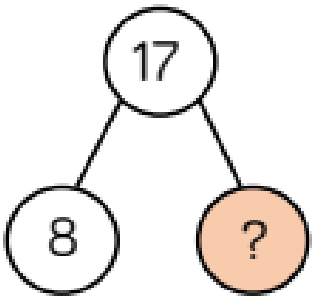
$$7 + \square < 7 + \square$$

How many different possible answers can you find?

2.

Rosie thinks she knows the missing number without calculating the answer.





Can you explain how this could be possible?