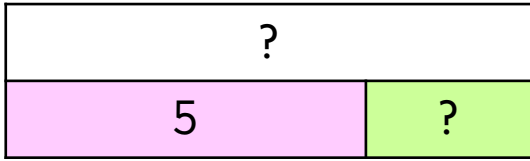


Find a part



Problem solving and reasoning cards:

The total is less than 8.

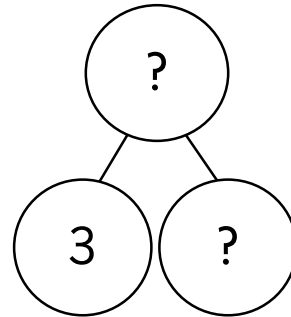


What could the missing part be?

List all possible answers.

Using the digits 1 to 9, how many ways can you complete the part-whole model?

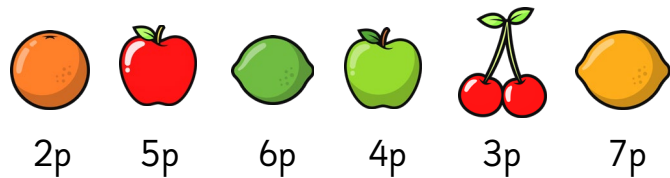
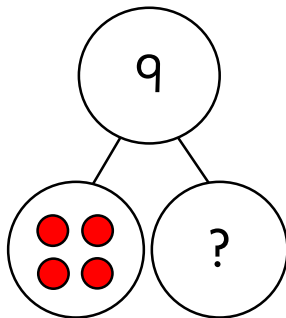
List all possible combinations.



The missing part in the part-whole model is an odd number.

Beth spent 9p on two pieces of fruit.

Which two pieces of fruit could Beth have bought?



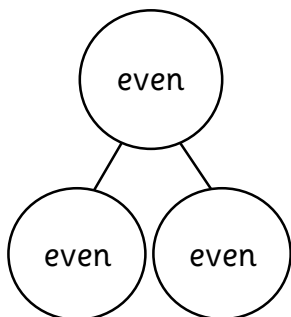
Is Dom correct?

Explain how you know.

If two parts in a part-whole diagram are even then the whole must also be even.

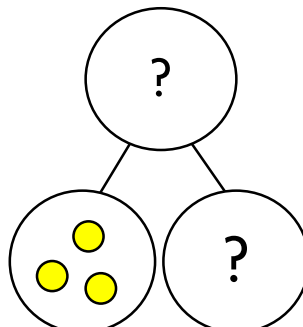


The total is less than 10, what could the missing part be?



True

False



List all possibilities:

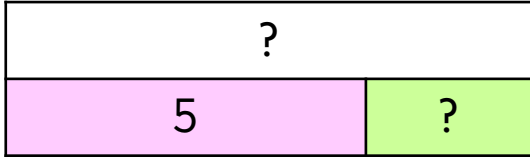
Can you write number sentences to prove this?

Find a part



Problem solving and reasoning cards:

The total is less than 8.

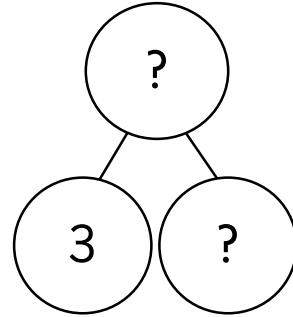


What could the missing part be?
List all possible answers.

The missing part could be 1 or 2.

Using the digits 1 to 9, how many ways can you complete the part-whole model?

List all possible combinations.



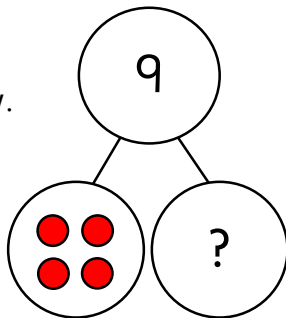
6 ways:
1 and 4
2 and 5
3 and 6
4 and 7
5 and 8
6 and 9



The missing part in the part-whole model is an odd number.

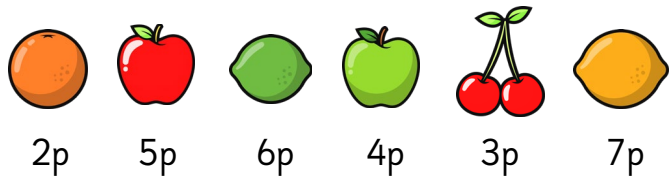
Is Dom correct?
Explain how you know.

Yes.
The missing part is 5 which is odd.
 $4 + 5 = 9$.



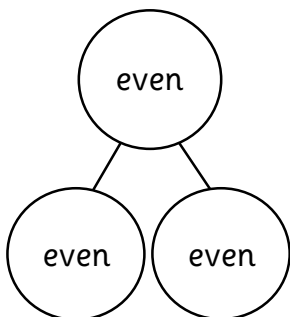
Beth spent 9p on two pieces of fruit.

Which two pieces of fruit could Beth have bought?



Orange and lemon ($2p + 7p = 9p$)
Red apple and green apple ($5p + 4p = 9p$)
Lime and cherry ($6p + 3p = 9p$)

If two parts in a part-whole diagram are even then the whole must also be even.



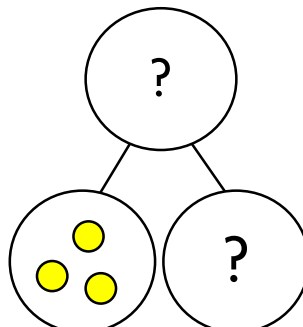
True

False

Can you write number sentences to prove this?



The total is less than 10, what could the missing part be?



List all possibilities:

The missing part could be:

6, 5, 4, 3, 2 or 1.