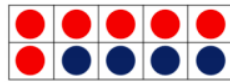


Thursday

What number bond is represented in the pictures?

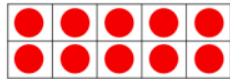


There are ___ red counters.

There are ___ blue counters.

Altogether there are ___ counters.

$$__ + __ = __ \quad __ + __ = __$$



There are ___ red counters.

There are ___ blue counters.

Altogether there are ___ counters.

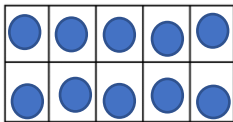
$$__ + __ = __$$

$$__ + __ = __$$

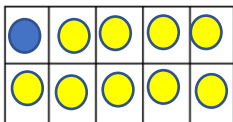


Complete your own ten frames to find number bonds to 20. Use two different coloured pencils to fill them in.

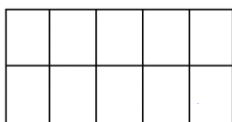
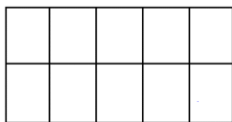
For example:



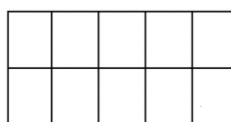
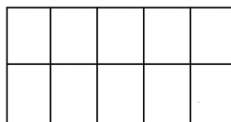
$$11 + 9 = 20$$



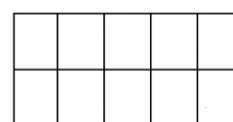
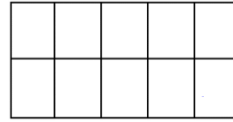
1.



2.



3.




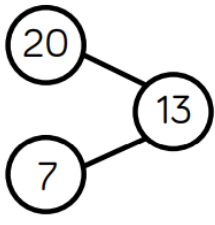
Look at the following number sentences. Can you write a sentence to explain how they are similar? Can you write a sentence to explain what is different?

$$7 + 3 = 10$$

$$17 + 3 = 20$$

$$20 = 7 + 13$$

 Jack represents a number bond to 20 in the part whole model.



Can you spot his mistake?

Answer: 13 and 20 need to be swapped as 20 is the whole.

Extension:

True or false?

There are double the number of number bonds to 20 than there are number bonds to 10.

Prove your answer by calculating all the number bonds to 10 and 20.



Answer: False, there are 11 number bonds to 10 and 21 number bonds to 20.