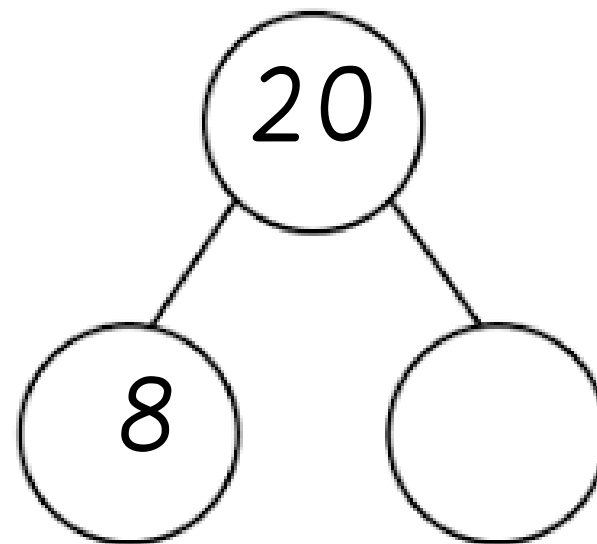
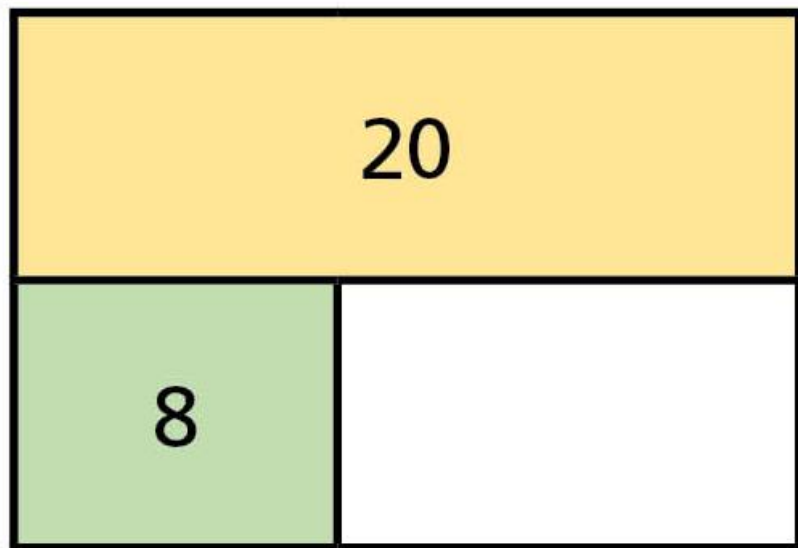


*Finding a missing  
number bond to 20*

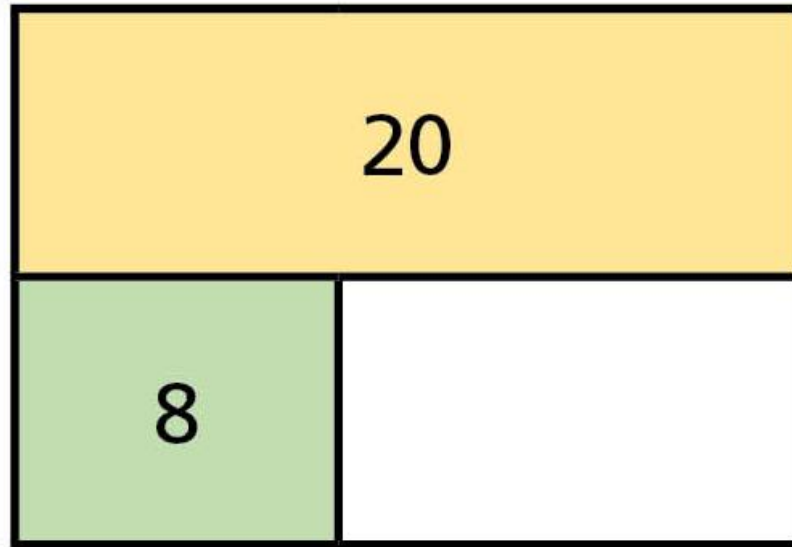
We can use a number  
line or objects to find  
a missing number  
bond to 20.

Look at the examples.

*This is a bar model. It is the same as a part part whole model. It just has bars instead of circles.*



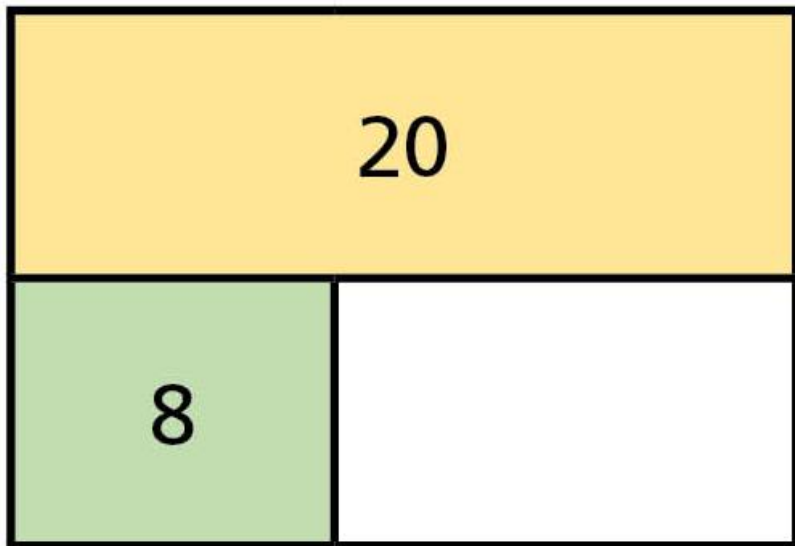
This is the whole. It is our answer.



This is one of the number bonds to make 20. It is a part.

We have to find what else we need to add to 8 to make 20. We need to find the other part.

Let's use a number line first.

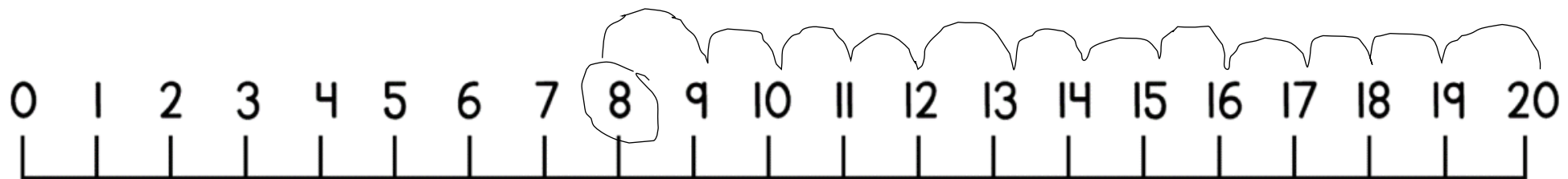


We will start off with 8 because that is one of the parts. We will do jumps until we get to 20.

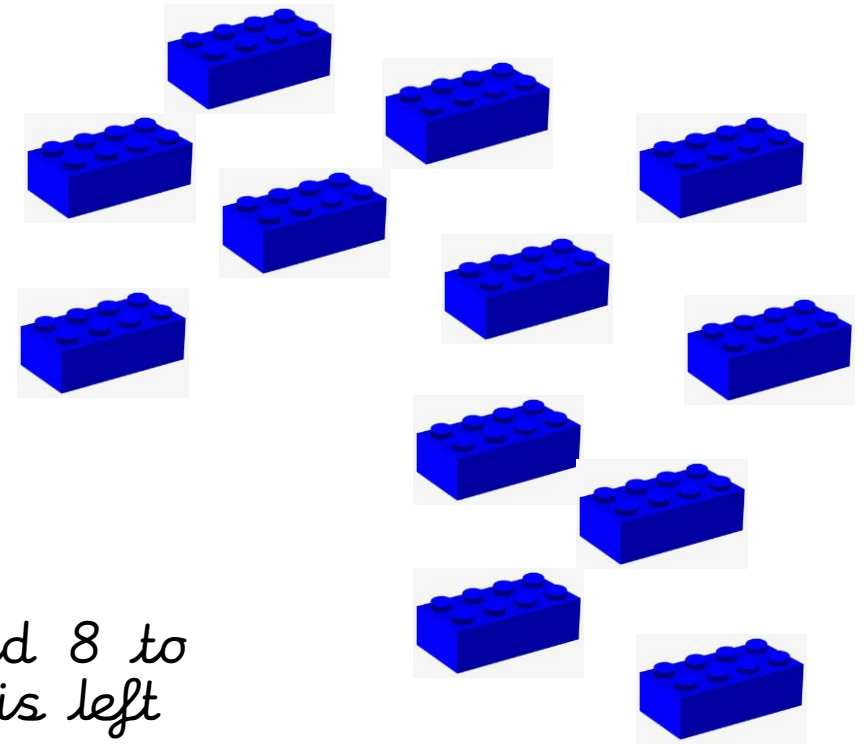
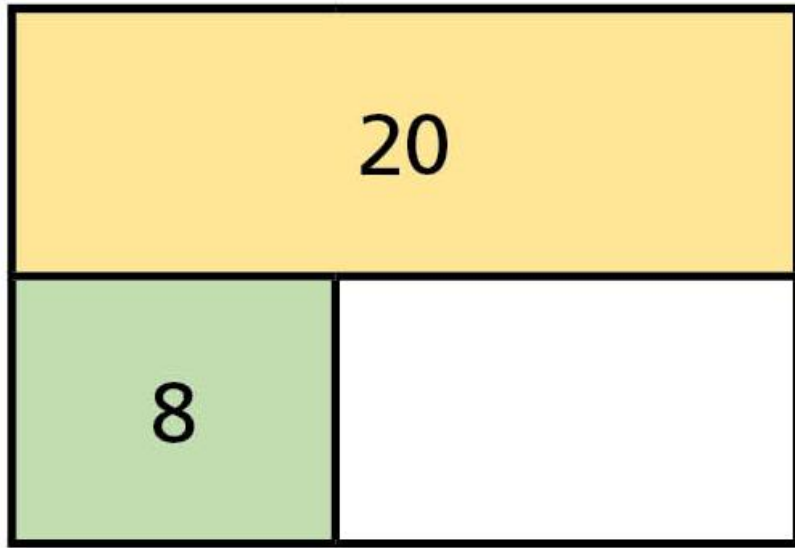
I have counted my jumps and there are 12. I can now write a number sentence.

$$8 + 12 = 20$$

$$12 + 8 = 20$$

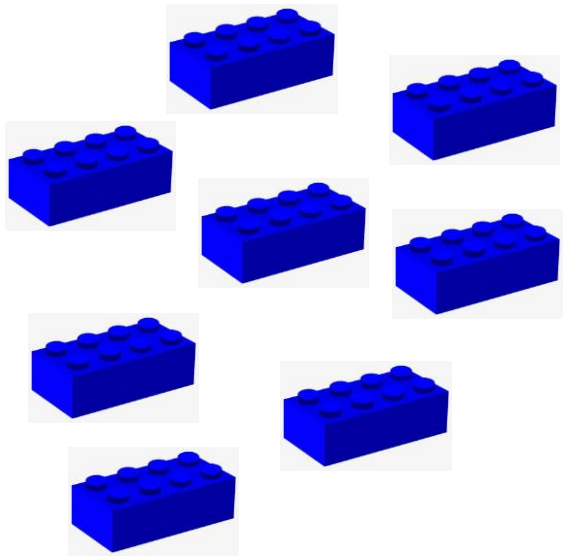


We can use objects  
too.

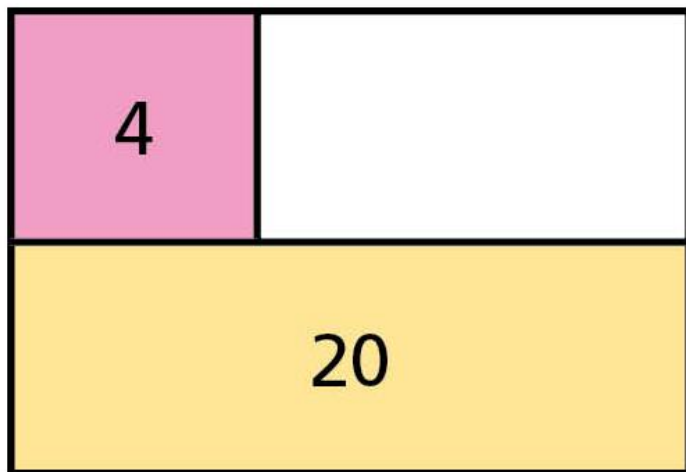


*I have 20 objects and moved 8 to one side. Let's count what is left over.*

*It is still 12!*



*Let's have one more  
go.*

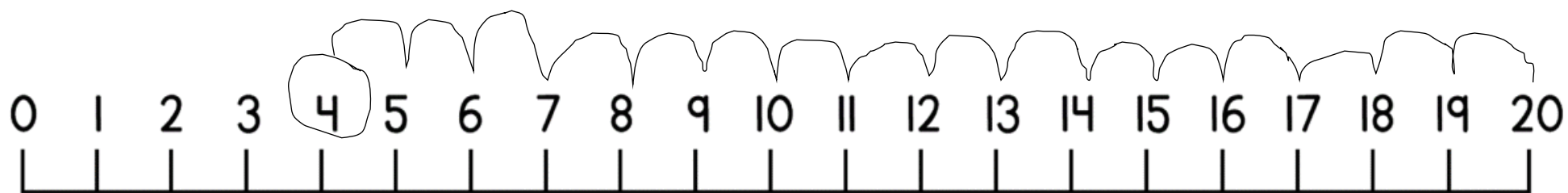


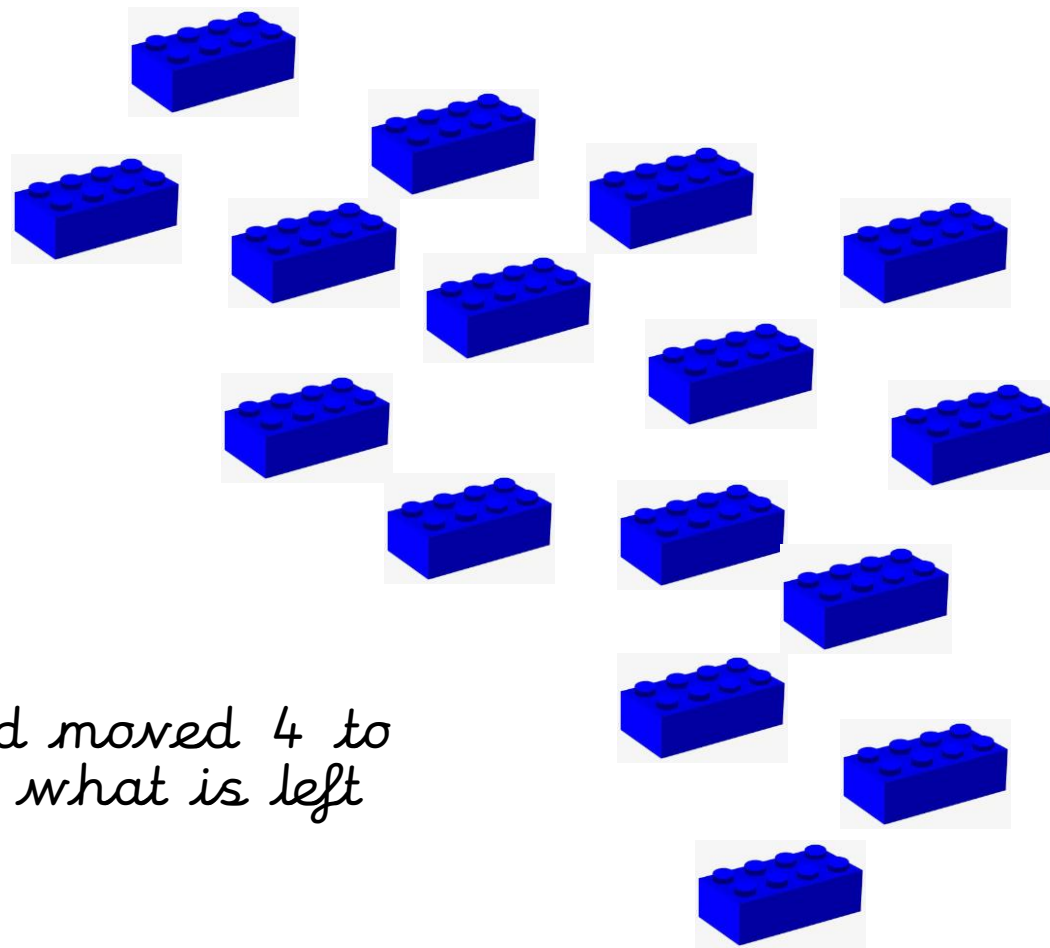
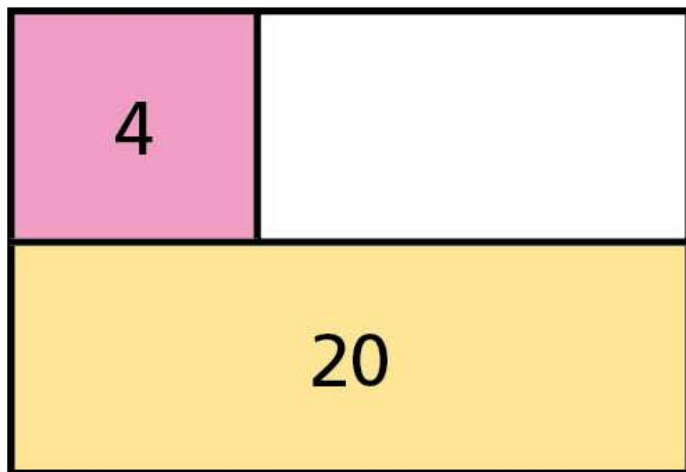
Now the whole is on the bottom and the parts are on top. We still start from 4 and do jumps until 20.

I have counted my jumps and there are 16. I can now write a number sentence.

$$4 + 16 = 20$$

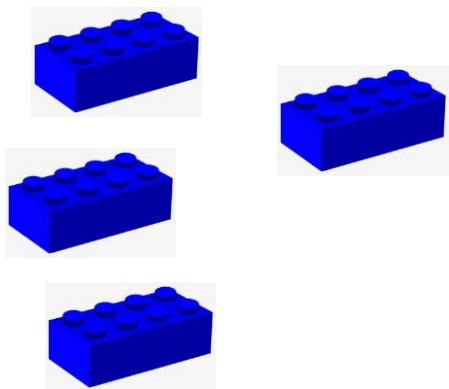
$$16 + 4 = 20$$





*I have 20 objects and moved 4 to one side. Let's count what is left over.*

*It is still 16!*



Have a go at your  
sheet. You can use  
number lines or use  
objects.