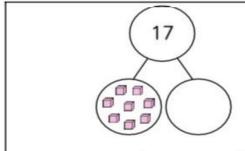
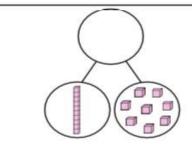
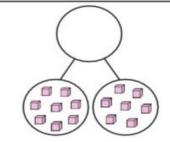
Related facts — Part whole models

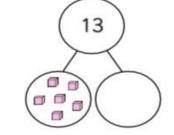


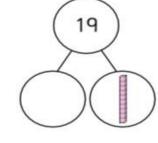
1 Complete the part—whole diagrams to help you complete the related facts.

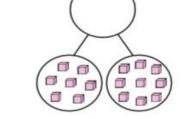










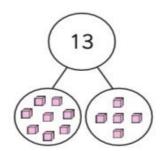


Challenge cards



Reason and problem solving cards:

Spot the mistakes.



$$5 + 8 = 13$$

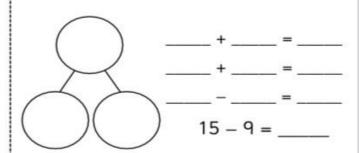
$$6 + 7 = 13$$

$$13 - 5 = 8$$

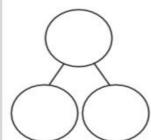
$$13 - 6 = 7$$

Explain your answer.

Complete the part-whole diagram and stem sentences.



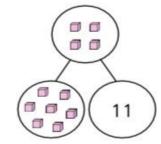
Complete the part-whole diagram and stem sentences.



Repeat for 12 – 7. Can you create your own?



What mistake has been made in the part-whole model?



$$7 + 4 = 11$$

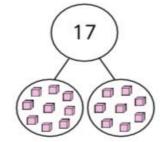
$$4 + 7 = 11$$

$$11 - 4 = 7$$

$$11 - 7 = 4$$



Do my stem sentences represent my part-whole diagram?



$$9 + 8 = 17$$

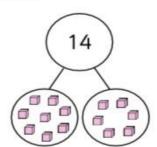
$$8 + 9 = 17$$

$$8 - 9 = 17$$

$$9 - 8 = 17$$

If not, what mistakes have been made?

The part-whole diagram and stem sentences match.



$$8 + 6 = 14$$

$$6 + 8 = 14$$

$$14 - 8 = 6$$

$$14 - 6 = 8$$

True or false? Explain your answer.