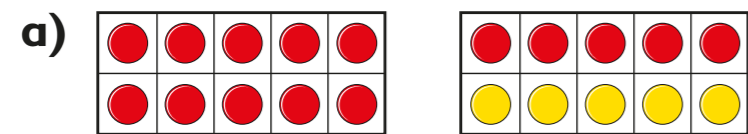


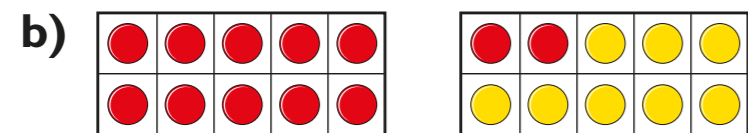
Fact families – addition and subtraction bonds to 20

1 What calculations are represented?

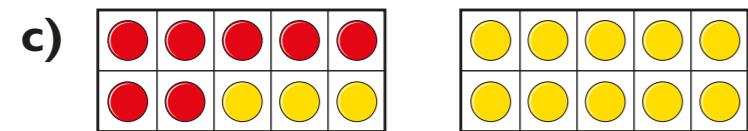
The first one has been done for you.



$$15 + 5 = 20$$



$$\square + \square = \square$$



$$\square + \square = \square$$

d) How many other number bonds to 20 can you make using counters and ten frames?



2 Complete the fact family.

a) $15 + 2 = 17$

$$17 = 15 + 2$$

$$2 + 15 = \square$$

$$\square = \square + \square$$

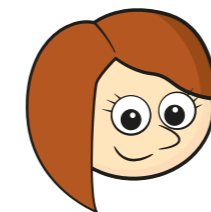
$$17 - 15 = \square$$

$$\square = \square - \square$$

$$\square - \square = \square$$

$$\square = \square - \square$$

b)

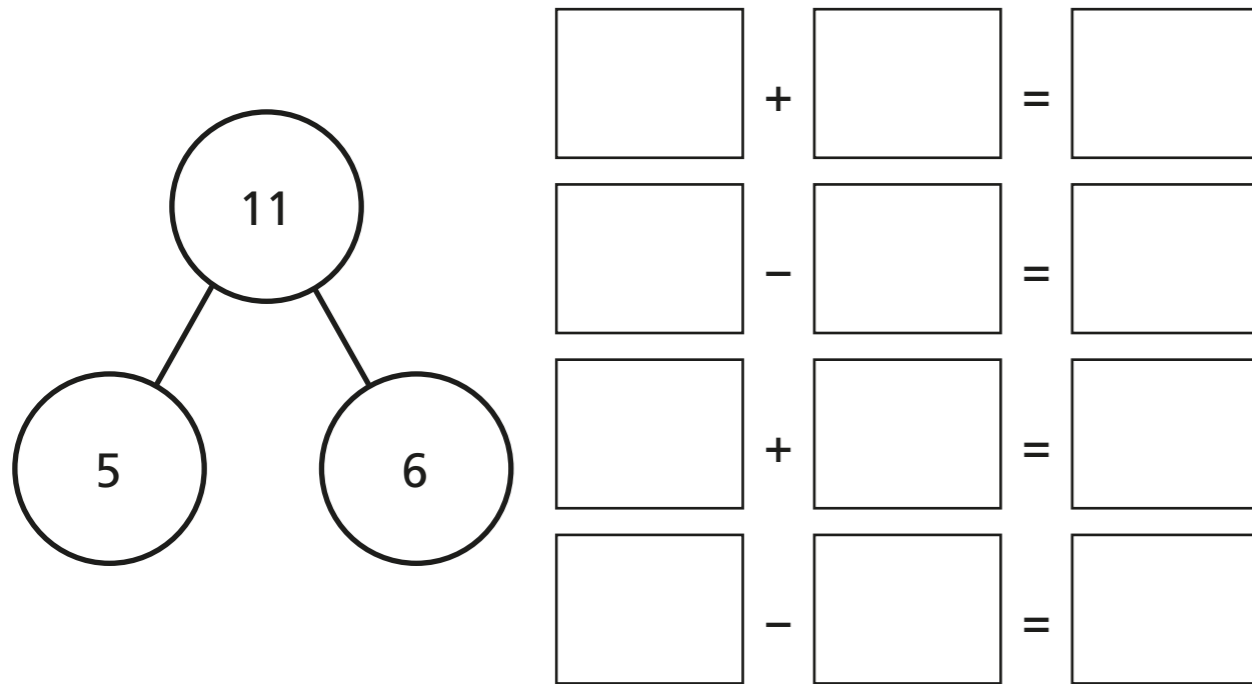


$2 - 17 = 15$ should be in the fact family.

Explain why Rosie is wrong.



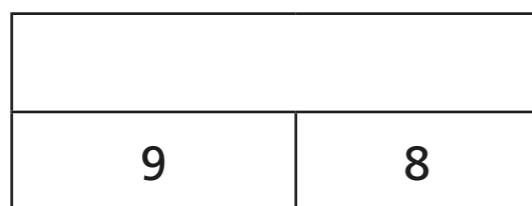
- 3 Complete the number sentences for the part-whole model.



Are there any other number sentences in this fact family?

Talk about it with a partner.

- 4 There are 9 boys and 8 girls in a class. Complete the bar model to represent this.



Write the fact family for the bar model.

- 5 Circle any incorrect calculations.

$3 + 7 = 10$

$10 = 3 + 7$

$7 + 3 = 10$

$10 = 7 + 3$

$10 - 7 = 3$

$7 - 3 = 10$

$3 - 10 = 7$

$7 = 10 - 3$

Explain the mistake that has been made.

- 6 Here are some number cards.



Choose two number cards and find their total.

$\square + \square = \square$

Write the fact family for this calculation.

Compare answers with a partner.

