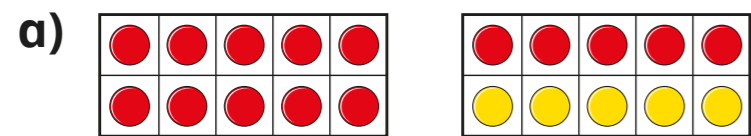
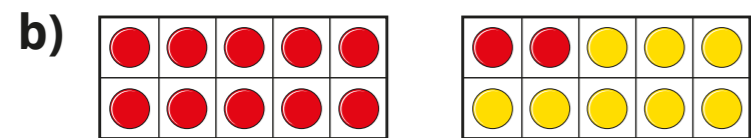


Fact families – addition and subtraction bonds within 20

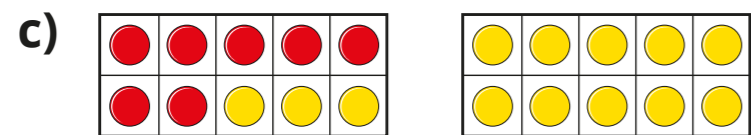
1 What number bonds to 20 are shown?
The first one has been done for you.



$$15 + 5 = 20$$



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



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

d) Make some more bonds to 20
Write your bonds.



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)

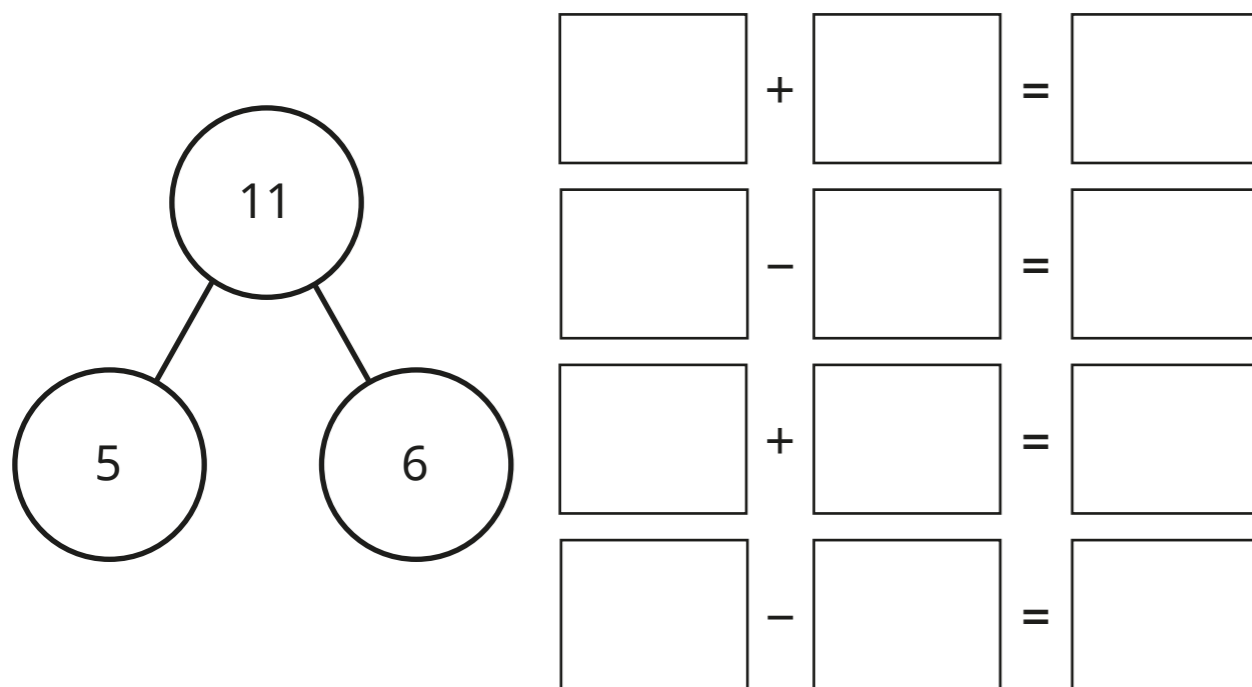


2 - 17 = 15 should be in the fact family.

Explain why Tiny is wrong.



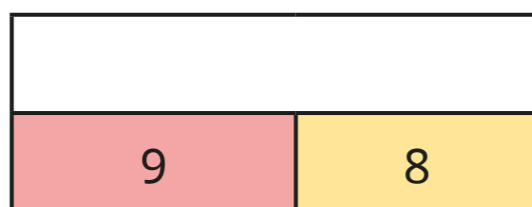
- 3 Complete the number sentences to match the part-whole model.



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 show this.



Write the fact family for the bar model.

- 5 Tick 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 any mistakes that have been made.

- 6 Here are some number cards.



Choose three number cards to complete the number sentence.

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

Write the fact family for this number sentence.

Compare answers with a partner.