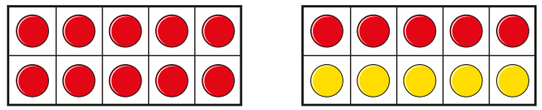
Fact families – addition and subtraction bonds within 20

White Rose MATHS

1 What number bonds to 20 are shown?

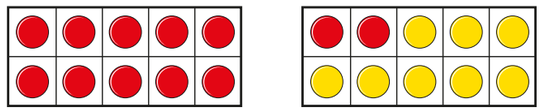
The first one has been done for you.

a)



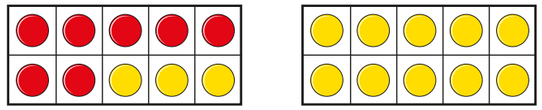
15 + 5 = 20

b)



☐ + ☐ = ☐

c)



☐ + ☐ = ☐

d) Make some more bonds to 20

Write your bonds.

_____

_____

2 Complete the fact family.

a)

15 + 2 = 17

17 = 15 + 2

2 + 15 = ☐

☐ = ☐ + ☐

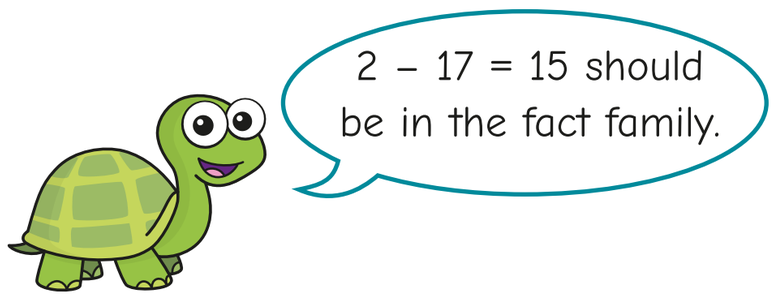
17 – 15 = ☐

☐ = ☐ – ☐

☐ – ☐ = ☐

☐ = ☐ – ☐

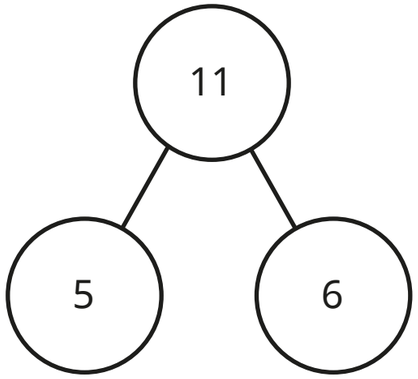
b)



Explain why Tiny is wrong.

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



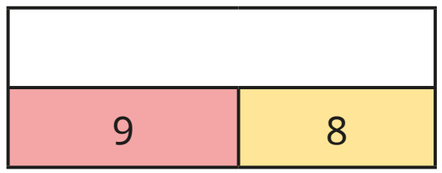
	+		=	
	−		=	
	+		=	
	−		=	

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.

5	2	7	13	6

Choose three number cards to complete the number sentence.

	+		=	

Write the fact family for this number sentence.

Compare answers with a partner.

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