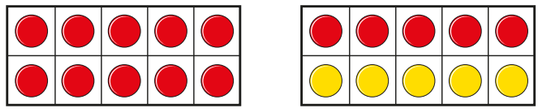
Fact families – addition and subtraction bonds to 20

1 What calculations are represented?

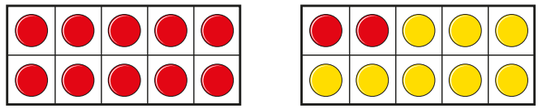
The first one has been done for you.

a)



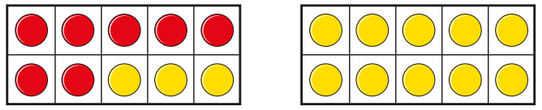
15 + 5 = 20

b)



☐ + ☐ = ☐

c)



☐ + ☐ = ☐

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 = ☐

☐ = ☐ + ☐

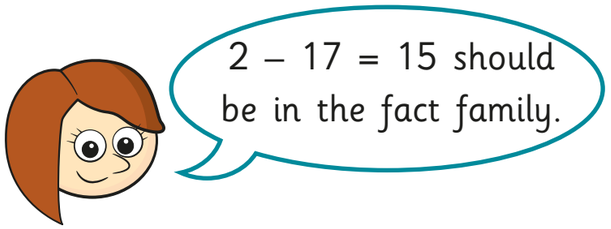
17 – 15 = ☐

☐ = ☐ – ☐

☐ – ☐ = ☐

☐ = ☐ – ☐

b)



Explain why Rosie is wrong.

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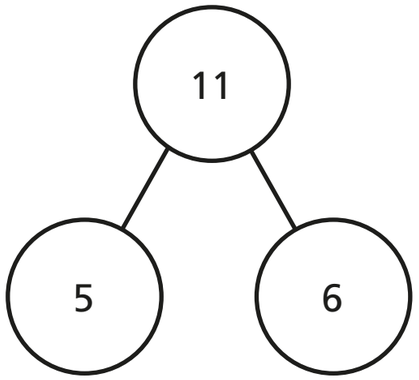
3 Complete the number sentences for the part-whole model.



	+		=	
	−		=	
	+		=	
	−		=	

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.

9	8

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.

5	2	7	13	6

Choose two number cards and find their total.

	+		=	

Write the fact family for this calculation.

Compare answers with a partner.

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