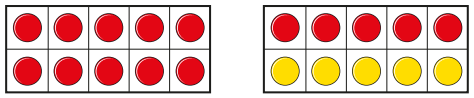
1 What calculations are represented?

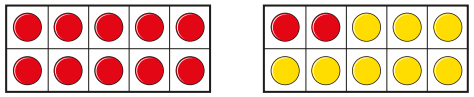
The first one has been done for you.

a)

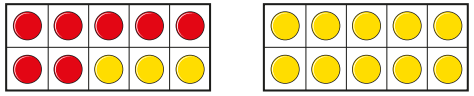


15 + 5 = 20

b)



c)



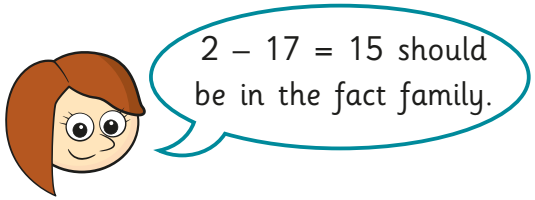
d) How many other number bonds to 20 can you make using counters and ten frames?

2 Complete the fact family.

a)

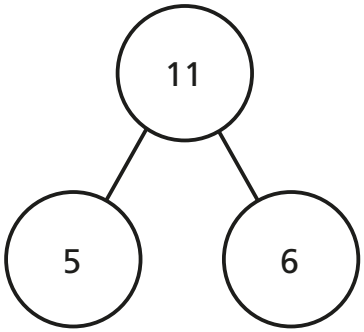
15	+	2	=	17	17	–	15	=	☐
17	=	15	+	2	☐	=	☐	–	☐
2	+	15	=	☐	☐	–	☐	=	☐
☐	=	☐	+	☐	☐	=	☐	–	☐

b)



Explain why Rosie is wrong.

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



☐ + ☐ = ☐

☐ – ☐ = ☐

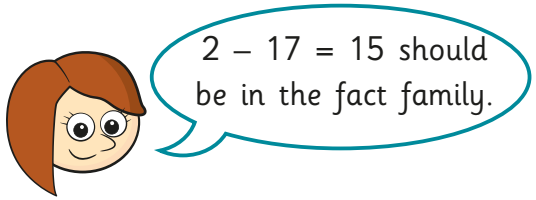
☐ + ☐ = ☐

☐ – ☐ = ☐

Are there any other number sentences in this fact family?

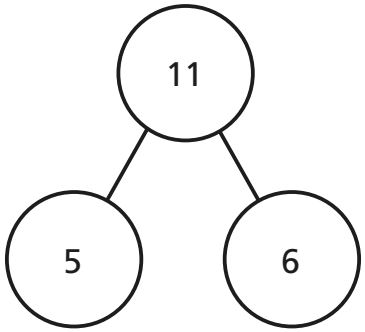
Talk about it with a partner.

b)



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.

9	8

Write the fact family for the bar model.

5 Which calculations are incorrect?

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.