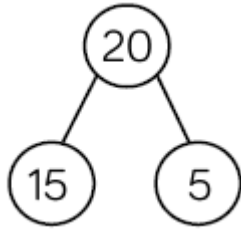# Maths Task

Below the Top Tips are 3 separate tasks:

- Task 1 focuses on the fluency of fact families.
- Task 2 focuses on problem solving and reasoning.
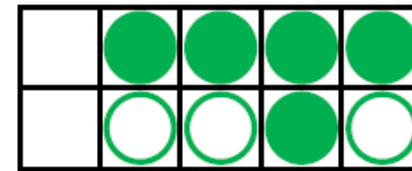- Task 3 focuses on investigating an open ended task.

The fact families (number sentences) for this part whole model would be;

15+5=20   5+15=20   20=15+5   20=5+15

20-5=15   20-15=5   5=20-15   15=20-5

The fact families (number sentences) for this bar model would be;

13+4=17   4+13=17   17=13+4   17=4+13

17-13=4   17-4=13   13=17-4   4=17-13
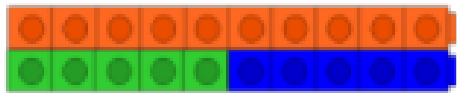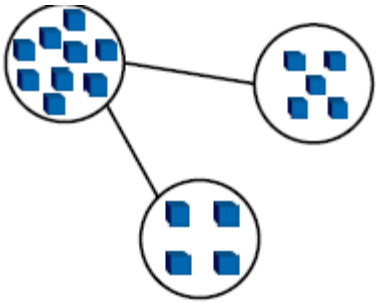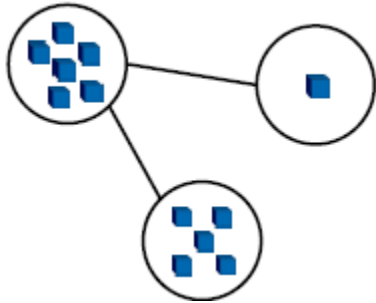
The fact families (number sentences) for this tens frame model would be;

3+5=8   5+3=8   8=3+5   8=5+3

8-5=3   8-3=5   5=8-3   3=8-5
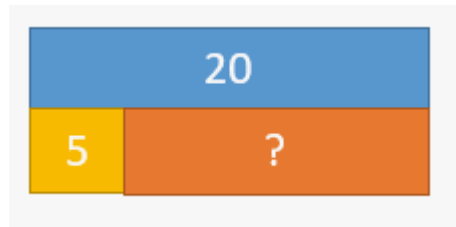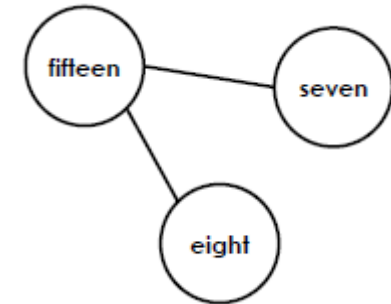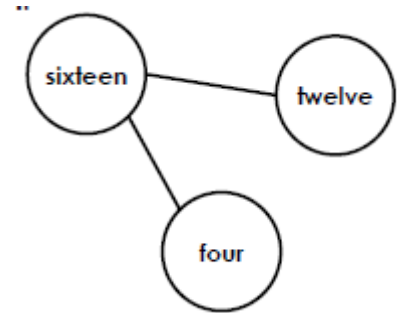
Task 1 – Fluency

Write down the eight number sentences that these part whole models show.

Write down the eight number sentences that these part whole models show.

Write down the eight number sentences that these part whole models show.

13 6

7

15 4

11

sixteen twelve

four

fifteen seven

eight

8	
6	2

20	
5	?
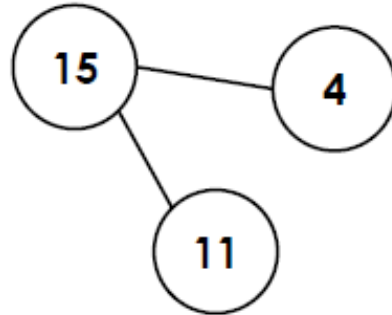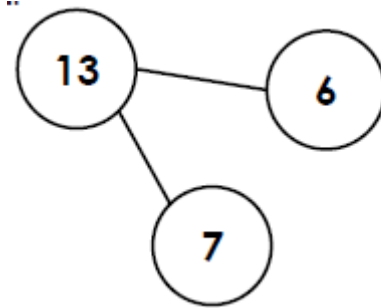
Task 2 – Problem Solving and reasoning

1a. Use the number cards below to find two fact families.

| 4 | 5 | 1 | 8 |

☐ + ☐ = 9

9 – ☐ = ☐
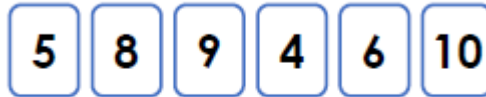
Write all of the possible number sentences.

3a. Ben says,

I can use the numbers 9, 3 and 6 to write a fact family for the 10 frame.
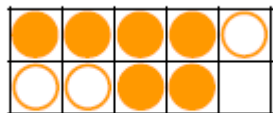
Is he correct? Prove it.

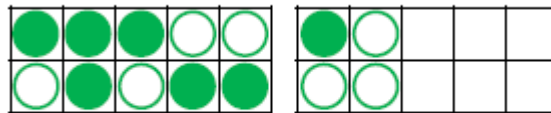4a. Use the number cards below to find three fact families.

| 5 | 8 | 9 | 4 | 6 | 10 |

☐ + ☐ = 14

14 – ☐ = ☐

Write all of the possible number sentences.

6a. Suzie says,

I can use the numbers 15, 7 and 7 to write a fact family for these 10 frames.

Is she correct? Prove it.

7a. Use the cards below to find three fact families.

| seven | nine | twelve | eight |

| twelve | thirteen | three |

☐ + ☐ = ☐

☐ – ☐ = ☐

Write all of the possible number sentences.

9b. Finn says,

I can use the numbers 17, 8 and 9 to write a fact family for the number line.

Is he correct? Prove it.

1. Rexley is investigating fact families for the following numbers.

He says,

One number of the fact family is always less than 10.

19

twelve

17

Is he correct?
Help him to investigate the possible fact families for his numbers.