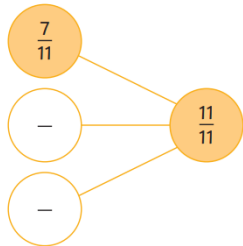


Use this sheet **WHEN** you've completed the main worksheet and want a challenge. Remember to use your blue book if you have it to show your workings. The questions were resourced from Twinkl Diving into Mastery.

1.

Find 2 ways to solve the part-whole model.



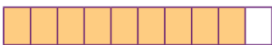
2.

Children have been adding together 3 fractions.



$$\frac{4}{12} + \frac{3}{12} + \frac{2}{12}$$

A



B

$$\frac{12}{9}$$

C



D

$$\frac{9}{36}$$

E



F

$$\frac{8}{12}$$

Half of these representations show the correct answer.

Ingrid



Is Ingrid correct? For the representations that don't show the correct answer, explain what could have gone wrong.

3.

2 children are given tennis balls during sports practice. Each child is given an odd number of balls.

How many number sentences can you think of that show the number of tennis balls that each child was given?



$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{12}{12}$$

4.

Jim says it is impossible for both missing numerators to be even numbers.

Is Jim correct? Explain with reasoning.

$$\frac{1}{\square} + \frac{\square}{15} + \frac{5}{\square} + \frac{\square}{15} = \frac{13}{15}$$

When you've finished – check your answers on the answer sheet.