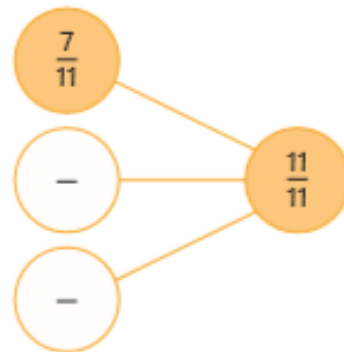
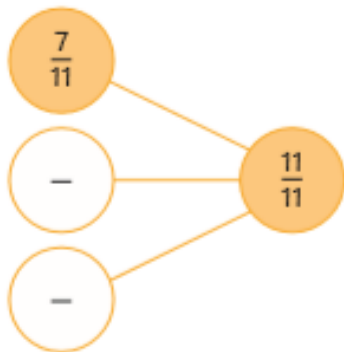




1) Find 2 ways to solve the part-whole model.



2) Some children are checking their work on fractions.

$\frac{2}{8} + \frac{2}{8} = \frac{4}{16}$

Ahmed



Do you agree with Ahmed? Explain with reasoning.

3) A shape has been part shaded.

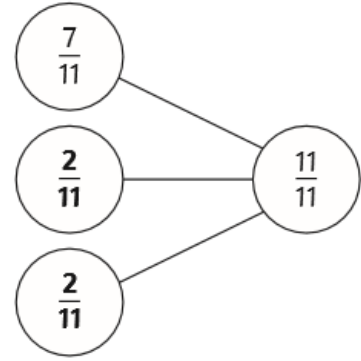
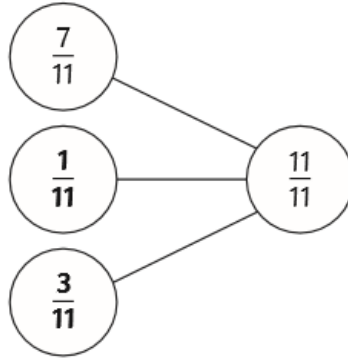
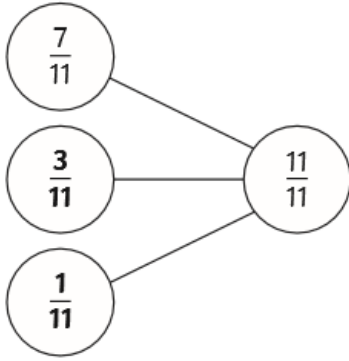


a) What 2 fractions could have been added together to create this shape? Find 2 possibilities.

b) What 3 fractions could have been added together to create this shape? Find 2 possibilities.



1) Here are some possible answers:



2) Ahmed is incorrect. Ahmed added the numerators and denominators together, whereas you only need to add the numerators together. The correct answer is $\frac{4}{8}$.

3) a) Here are some possible answers:

$$\frac{1}{9} + \frac{4}{9} = \frac{5}{9} \quad \frac{2}{9} + \frac{3}{9} = \frac{5}{9} \quad \frac{3}{9} + \frac{2}{9} = \frac{5}{9}$$

b) Here are some of the possible answers:

$$\frac{3}{9} + \frac{1}{9} + \frac{1}{9} = \frac{5}{9} \quad \frac{2}{9} + \frac{2}{9} + \frac{1}{9} = \frac{5}{9}$$