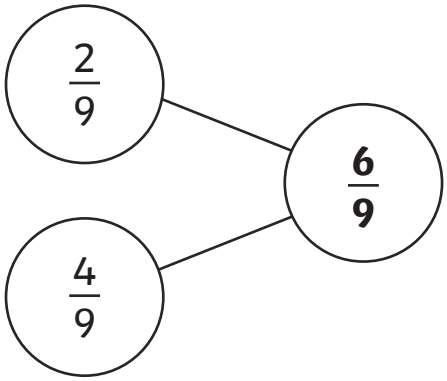
1) a) $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

b) $\frac{2}{8} + \frac{3}{8} + \frac{1}{8} = \frac{6}{8}$

2) $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$

3)



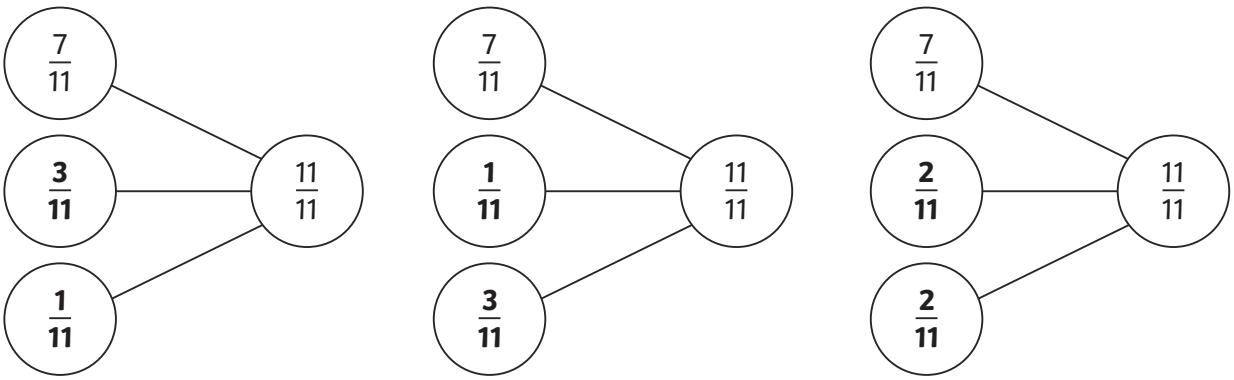
4) **These are the possible answers:**

$\frac{1}{11} + \frac{3}{11} + \frac{6}{11} = \frac{10}{11}$ $\quad\quad$ $\frac{4}{11} + \frac{3}{11} + \frac{3}{11} = \frac{10}{11}$

$\frac{2}{11} + \frac{3}{11} + \frac{5}{11} = \frac{10}{11}$ $\quad\quad$ $\frac{5}{11} + \frac{3}{11} + \frac{2}{11} = \frac{10}{11}$

$\frac{3}{11} + \frac{3}{11} + \frac{4}{11} = \frac{10}{11}$ $\quad\quad$ $\frac{6}{11} + \frac{3}{11} + \frac{1}{11} = \frac{10}{11}$

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:

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

b) Here are some of the possible answers:

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

1) **Ingrid is incorrect as only C and E show the correct answer.**

$\frac{4}{12} + \frac{3}{12} + \frac{2}{12} = \frac{9}{12}$

For explaining what went wrong, here are some possible answers:

A shows $\frac{9}{10}$ so the denominator is not big enough.

B shows $\frac{12}{9}$ so it is possible the numerator and denominator were written the wrong way round.

D shows $\frac{9}{36}$ so this child has added the denominators together when they didn't need to.

F shows $\frac{8}{12}$ so this child has miscalculated when adding the numerators together.

2) **These are all the possible answers:**

$\frac{1}{12} + \frac{11}{12} = \frac{12}{12}$

$\frac{3}{11} + \frac{9}{11} = \frac{12}{12}$

$\frac{5}{11} + \frac{7}{11} = \frac{12}{12}$

$\frac{7}{11} + \frac{5}{11} = \frac{12}{12}$

$\frac{9}{11} + \frac{3}{11} = \frac{12}{12}$

$\frac{11}{11} + \frac{1}{11} = \frac{12}{12}$

3) **Jim is correct. In the number sentence, one of the missing numerators is an even number and one of them is an odd number.**

$\frac{1}{15} + \frac{1}{15} + \frac{5}{15} + \frac{6}{15} = \frac{13}{15}$

$\frac{1}{15} + \frac{2}{15} + \frac{5}{15} + \frac{5}{15} = \frac{13}{15}$

$\frac{1}{15} + \frac{3}{15} + \frac{5}{15} + \frac{4}{15} = \frac{13}{15}$

$\frac{1}{15} + \frac{5}{15} + \frac{5}{15} + \frac{2}{15} = \frac{13}{15}$

$\frac{1}{15} + \frac{6}{15} + \frac{5}{15} + \frac{1}{15} = \frac{13}{15}$

$\frac{1}{15} + \frac{4}{15} + \frac{5}{15} + \frac{3}{15} = \frac{13}{15}$