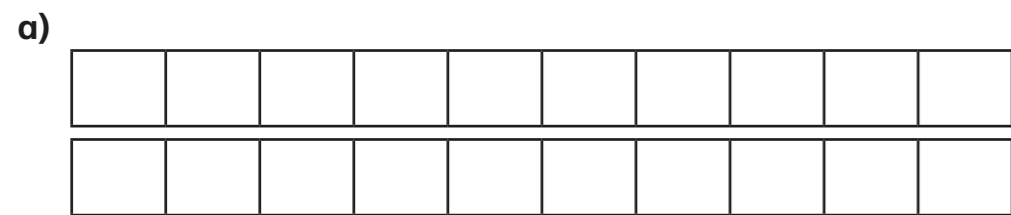


# Add fractions

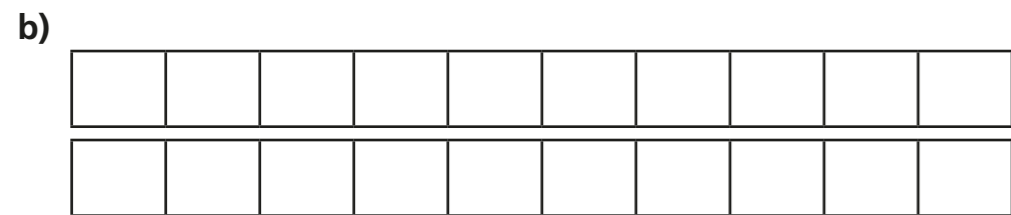


1 Complete the calculations.

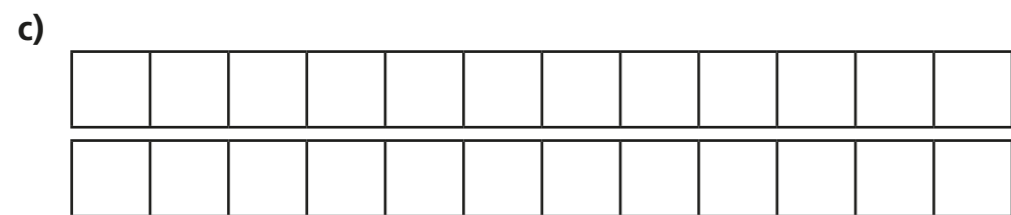
Use the bar models to help you.



$$\frac{1}{2} + \frac{7}{10} = \square = \square$$



$$\frac{1}{2} + \frac{3}{10} + \frac{1}{5} = \square = \square$$



$$\frac{2}{3} + \frac{5}{6} + \frac{1}{12} = \square = \square$$

2 Complete the additions.

a)  $\frac{4}{5} + \frac{7}{20} = \square = \square$

d)  $\frac{4}{3} + \frac{5}{12} = \square = \square$

b)  $\frac{5}{4} + \frac{7}{20} = \square = \square$

e)  $\frac{3}{5} + \frac{11}{15} = \square = \square$

c)  $\frac{3}{4} + \frac{5}{12} = \square = \square$

f)  $\frac{5}{3} + \frac{11}{15} = \square = \square$

3 Match the additions that have the same answer.

$$\frac{3}{5} + \frac{9}{20}$$

$$\frac{16}{20} + \frac{9}{20}$$

$$\frac{3}{4} + \frac{9}{20}$$

$$\frac{12}{20} + \frac{9}{20}$$

$$\frac{4}{5} + \frac{9}{20}$$

$$\frac{14}{20} + \frac{9}{20}$$

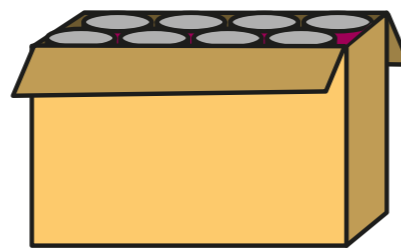
$$\frac{7}{10} + \frac{9}{20}$$

$$\frac{15}{20} + \frac{9}{20}$$



4 Dexter has some tins of food. There are four types of food: beans, sweetcorn, soup and tomatoes.

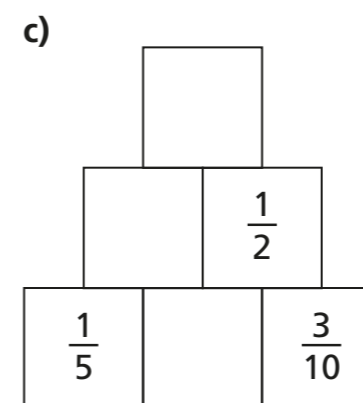
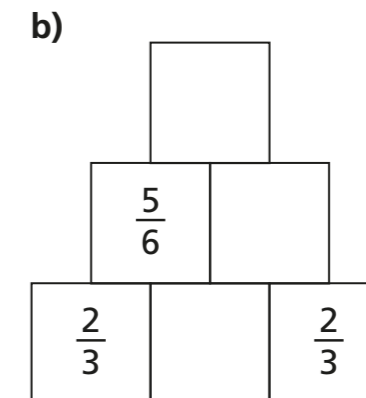
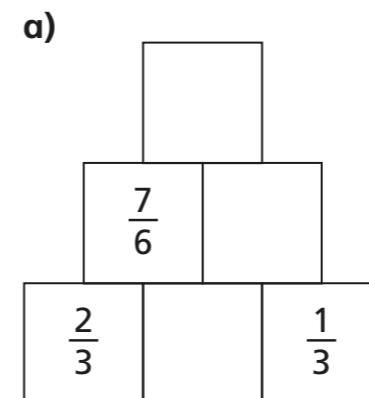
- The total weight of all the tins is 2 kg.
- The tins of beans weigh  $\frac{2}{3}$  kg.
- The tins of sweetcorn weigh  $\frac{5}{12}$  kg.
- The tins of soup weigh  $\frac{1}{4}$  kg.



a) Work out the total weight of the tins of beans, sweetcorn and soup.

b) How much do the tins of tomatoes weigh?

5 Complete the addition pyramids.



6 What could the three missing numerators be?

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

Give three different possibilities.

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

$$\frac{\square}{4} + \frac{\square}{12} + \frac{\square}{3} = \frac{13}{12}$$

