

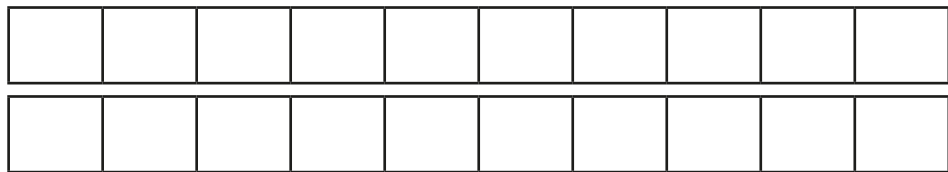
# Add fractions



1 Complete the calculations.

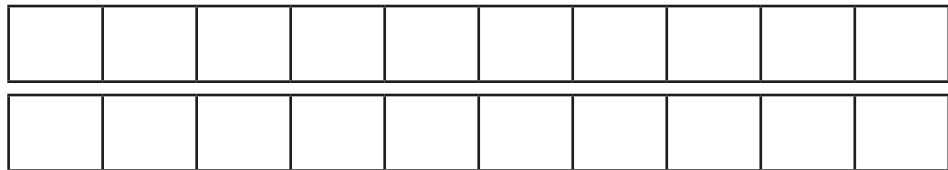
Use the bar models to help you.

a)



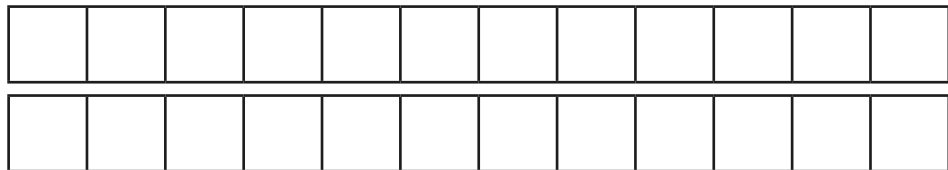
$$\frac{1}{2} + \frac{7}{10} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

b)



$$\frac{1}{2} + \frac{3}{10} + \frac{1}{5} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

c)



$$\frac{2}{3} + \frac{5}{6} + \frac{1}{12} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

2 Complete the additions.

$$\text{a) } \frac{4}{5} + \frac{7}{20} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{d) } \frac{4}{3} + \frac{5}{12} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{b) } \frac{5}{4} + \frac{7}{20} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{e) } \frac{3}{5} + \frac{11}{15} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{c) } \frac{3}{4} + \frac{5}{12} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\text{f) } \frac{5}{3} + \frac{11}{15} = \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

3 Match the additions that have the same answer.

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

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

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

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

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

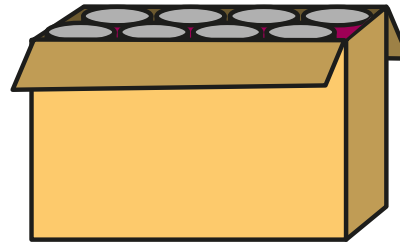
$$\frac{14}{20} + \frac{9}{20}$$

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

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

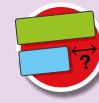
- 4 Dexter has some tins of food. There are four types of food: beans, sweetcorn, soup and tomatoes.

- 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.



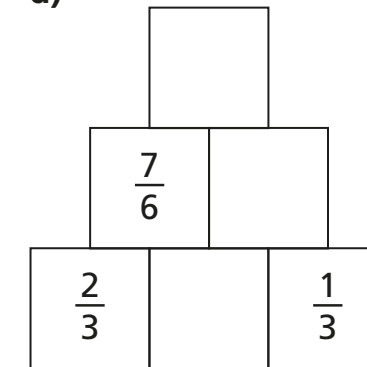
- a) Work out the total weight of the tins of beans, sweetcorn and soup.

- b) How much do the tins of tomatoes weigh?

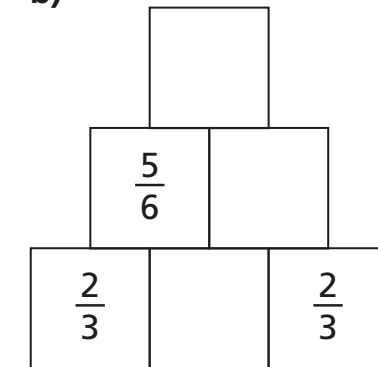


- 5 Complete the addition pyramids.

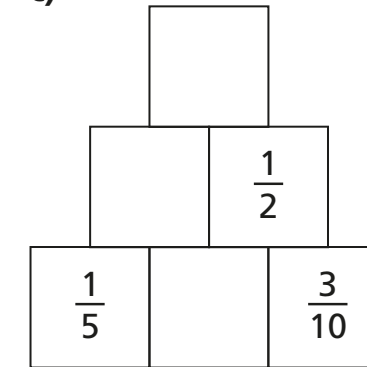
a)



b)



c)



- 6 What could the three missing numerators be?

$$\frac{\boxed{\phantom{000}}}{4} + \frac{\boxed{\phantom{000}}}{12} + \frac{\boxed{\phantom{000}}}{3} = \frac{13}{12}$$

Give three different possibilities.

$$\frac{\boxed{\phantom{000}}}{4} + \frac{\boxed{\phantom{000}}}{12} + \frac{\boxed{\phantom{000}}}{3} = \frac{13}{12}$$

$$\frac{\boxed{\phantom{000}}}{4} + \frac{\boxed{\phantom{000}}}{12} + \frac{\boxed{\phantom{000}}}{3} = \frac{13}{12}$$

$$\frac{\boxed{\phantom{000}}}{4} + \frac{\boxed{\phantom{000}}}{12} + \frac{\boxed{\phantom{000}}}{3} = \frac{13}{12}$$

