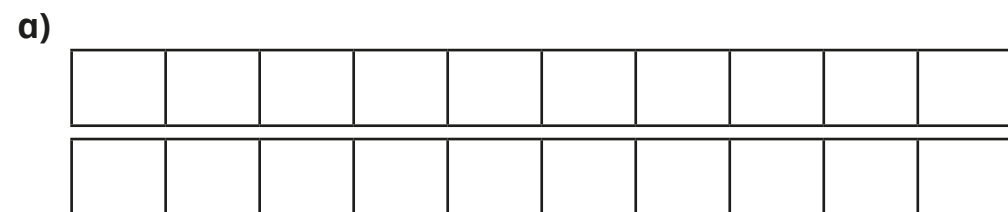


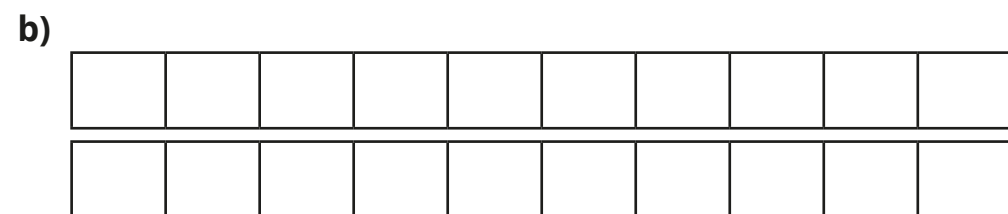
Add fractions with total greater than 1



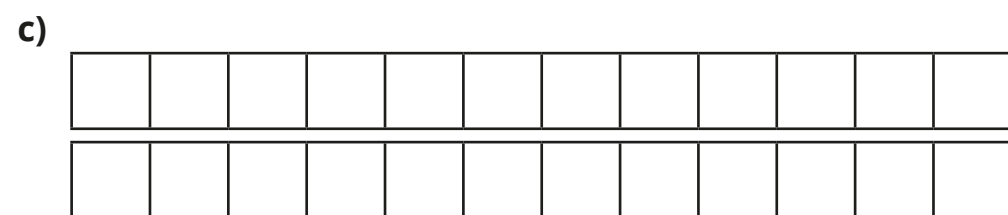
- 1** Complete the calculations.
Use the bar models to help you.



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



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



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

- 2** Complete the additions.

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

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

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

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

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

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

- 3** Match the additions that have the same answer.

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

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

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

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

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

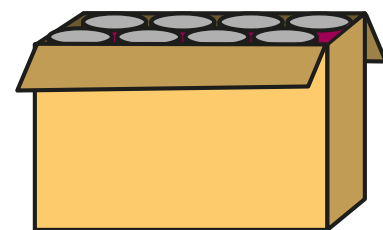
$$\frac{14}{20} + \frac{9}{20}$$

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

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

4 Dexter has some tins of food.

There are four types of food: beans, sweetcorn, soup and tomatoes.



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

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

kg

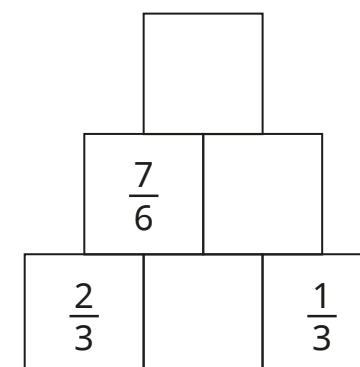
b) What is the mass of the tins of tomatoes?

kg

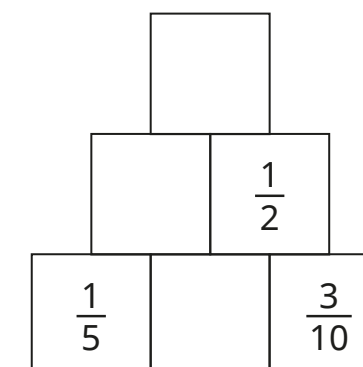


5 Complete the addition pyramids.

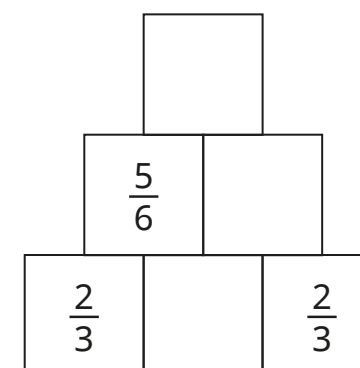
a)



c)



b)



6 What could the three missing numerators be?

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

Give three different possibilities.

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

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

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

