1 Complete the calculations.

Use bar models to help you.

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

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

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

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.

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

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

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

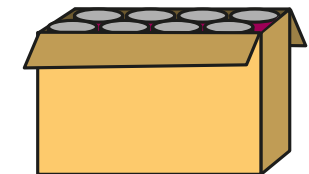$\frac{12}{20} + \frac{9}{20}$

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

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

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

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

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

- The total 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?

3 Match the additions that have the same answer.

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

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

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

$$\frac{12}{20} + \frac{9}{20}$$
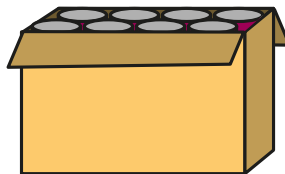
$$\frac{4}{5} + \frac{9}{20}$$

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

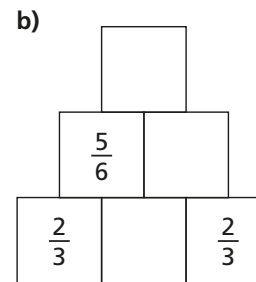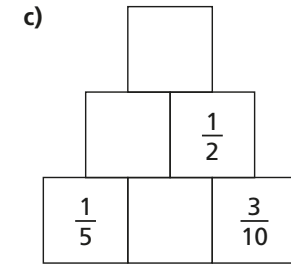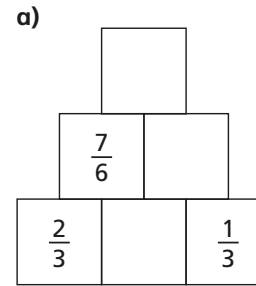$$\frac{7}{10} + \frac{9}{20}$$

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

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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)

$\frac{7}{6}$	

$\frac{2}{3}$		$\frac{1}{3}$

c)

	$\frac{1}{2}$

$\frac{1}{5}$		$\frac{3}{10}$

b)

$\frac{5}{6}$	

$\frac{2}{3}$		$\frac{2}{3}$

6 What could the three missing numerators be?

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

Give three different possibilities.