## Add fractions

(1) Complete the calculations.

Use the bar models to help you.
a)

|  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |

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

b)


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

c)


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

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

| $\frac{3}{5}+\frac{9}{20}$ |
| :---: |
| $\frac{16}{20}+\frac{9}{20}$ |
| $\frac{3}{4}+\frac{9}{20}$ |
| $\frac{4}{5}+\frac{9}{20}$ |
| $\frac{12}{20}+\frac{9}{20}$ |
| $\frac{7}{10}+\frac{9}{20}$ |

(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 $\frac{2}{3} \mathrm{~kg}$.

- The tins of sweetcorn weigh $\frac{5}{12} \mathrm{~kg}$.
- The tins of soup weigh $\frac{1}{4} \mathrm{~kg}$.
a) Work out the total weight of the tins of beans, sweetcorn and soup.

5
Complete the addition pyramids.
a)

b)


6 What could the three missing numerators be?

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

Give three different possibilities.
$\frac{\square}{4}+\frac{\square}{12}+\frac{\square}{3}=\frac{13}{12}$
$\frac{\square}{4}+\frac{\square}{12}+\frac{\square}{3}=\frac{13}{12}$


