

# Fractions

## Question 1

Calculate these fraction additions:

$$\text{a } \frac{7}{10} + \frac{5}{10} = \square \frac{\square}{\square}$$

$$\text{b } \frac{4}{8} + \frac{3}{8} = \frac{\square}{\square}$$

$$\text{c } \frac{\square}{\square} + \frac{2}{2} = 1 \frac{1}{2}$$

$$\text{d } \frac{4}{5} + \frac{\square}{\square} = 1 \frac{2}{5}$$

$$\text{e } \frac{3}{6} + \frac{4}{6} = \square \frac{\square}{\square}$$

$$\text{f } \frac{1}{3} + \frac{1}{3} = \frac{\square}{\square}$$

$$\text{g } \frac{5}{7} + \frac{4}{7} = \square \frac{\square}{\square}$$

$$\text{h } \frac{\square}{\square} + \frac{2}{4} = 1 \frac{1}{4}$$



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## Question 2

Calculate these fraction subtractions:

$$\text{a } 3 - \frac{5}{10} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\text{b } 7 - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = 6 \frac{5}{8}$$

$$\text{c } \frac{2}{3} - \frac{1}{3} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\text{d } 15 - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = 14 \frac{1}{5}$$

$$\text{e } 6 - \frac{4}{6} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\text{f } \boxed{\phantom{00}} - \frac{2}{12} = \frac{10}{12}$$

$$\text{g } \frac{6}{7} - \frac{4}{7} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

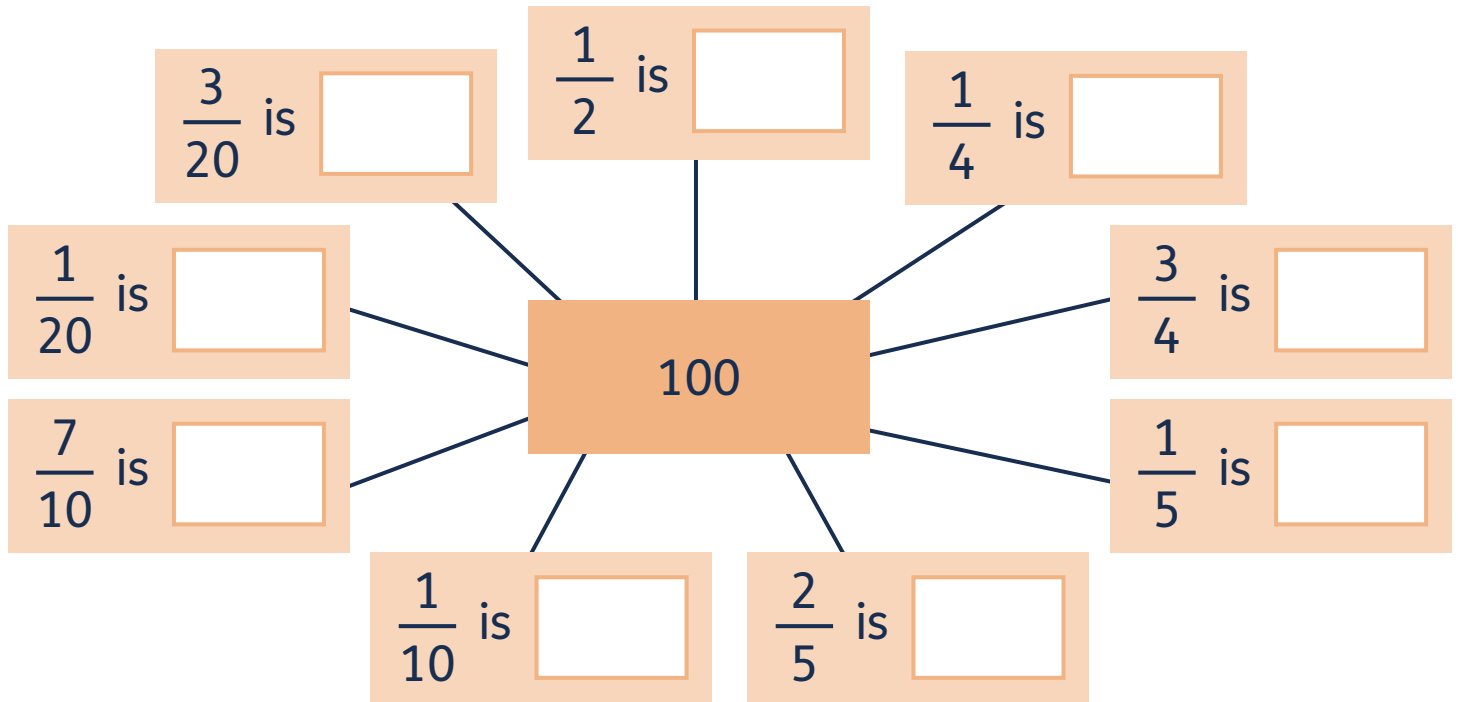
$$\text{h } \boxed{\phantom{00}} - \frac{8}{9} = 4 \frac{1}{9}$$



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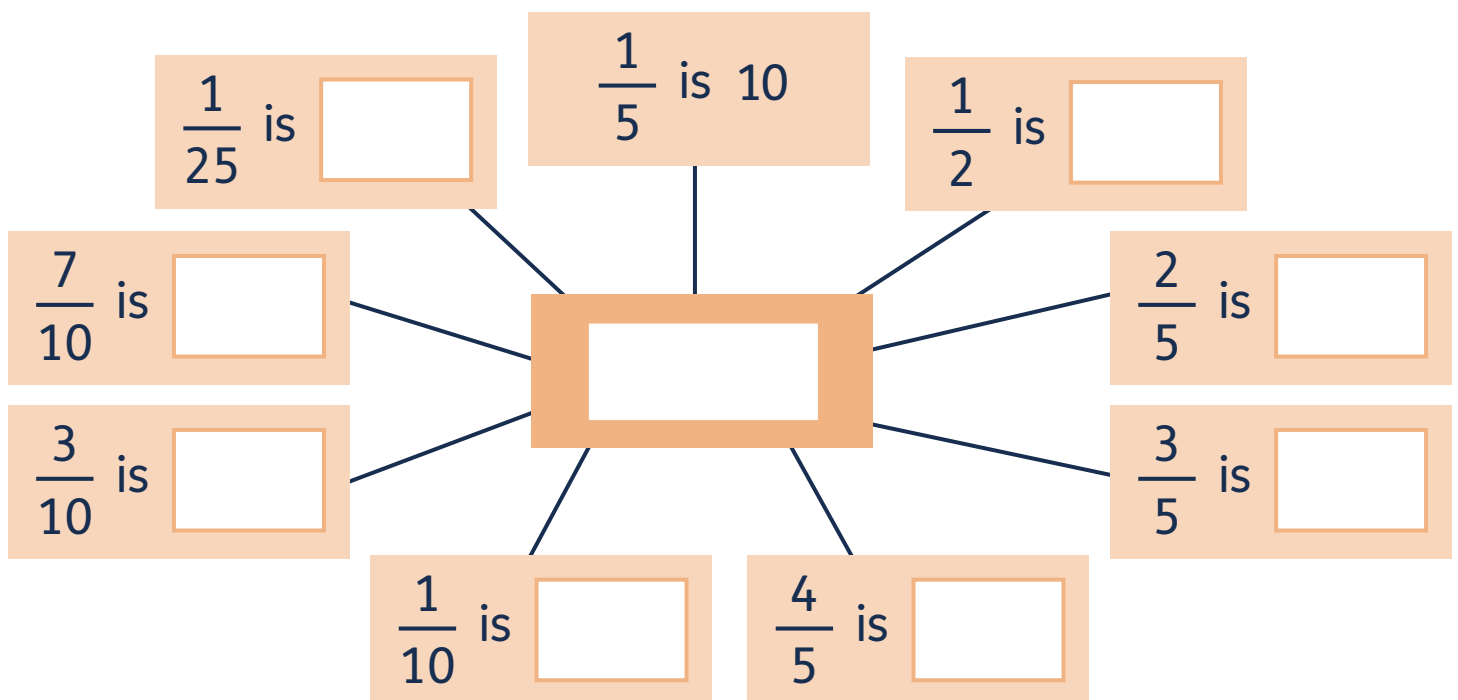
## Question 3

Divide 100 into the given fractions.



## Question 4

If  $\frac{1}{5}$  is 10, work out the other amounts.



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## Question 5

Find the following amounts

a  $\frac{2}{3}$  of 27 =

b  $\frac{3}{5}$  of 50 =

c  $\frac{5}{6}$  of 36 =

d  $\frac{6}{7}$  of 14 =

e  $\frac{7}{9}$  of 27 =

f  $\frac{7}{10}$  of 90 =

g  $\frac{2}{3}$  of 21 =

h  $\frac{4}{5}$  of 20 =

i  $\frac{5}{6}$  of 18 =

j  $\frac{6}{7}$  of 28 =

k  $\frac{5}{9}$  of 27 =

l  $\frac{3}{10}$  of 30 =



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## Question 6

Kimmy and Jonathan have a bake sale at school.

Kimmy made 30 cakes.  $\frac{1}{3}$  are strawberry flavour,  $\frac{1}{2}$  are vanilla and the rest are chocolate.

Jonathan made 50 cookies,  $\frac{2}{5}$  have Smarties,  $\frac{4}{10}$  are toffee and the rest are plain.

**a** How many strawberry cakes are there?

**b** How many plain cookies are there?

**c** As a fraction, how many chocolate cakes are there?



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**d** Marissa came to the bake sale and wanted to buy all the Smartie cookies and strawberry cakes to share with her class. How many cookies and cakes did she buy altogether?

**e** If there are 25 children in the class, what fraction of what she bought would be left over? Can you show this in the simplest fraction?



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