

Equivalent fractions

To achieve 100 you need to:

- recognise and use **equivalent fractions**
- find equivalent fractions with lower denominators
- rewrite a pair of fractions so they share the same denominator.

Draw lines to join the equivalent fractions.

$$\frac{2}{3} \quad \frac{75}{100}$$

(1 mark)

$$\frac{3}{4} \quad \frac{3}{18}$$

$$\frac{2}{5} \quad \frac{8}{12}$$

$$\frac{1}{6} \quad \frac{40}{100}$$

2 $\frac{3}{5} = \frac{15}{\square}$

3 Simplify the fractions $\frac{5}{20}$ and $\frac{9}{12}$ so they have the **same** denominator.

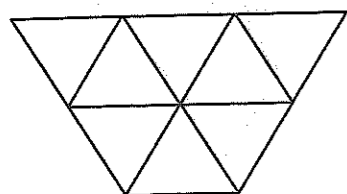
4 Circle the fractions of a metre that are **not** equivalent to 40 cm.

$$\frac{4}{10} \text{ m} \quad \frac{4}{100} \text{ m} \quad \frac{2}{5} \text{ m} \quad \frac{40}{100} \text{ m} \quad \frac{1}{4} \text{ m}$$

5 Rewrite each of these fractions so that they all have the **same** denominator.

$$\frac{1}{2} \frac{\square}{\square} \quad \frac{2}{5} \frac{\square}{\square} \quad \frac{3}{4} \frac{\square}{\square}$$

6 Shade the diagram to show a fraction that is equivalent to $\frac{15}{24}$



Adding and subtracting fractions

To achieve 100 you need to:

- add and subtract fractions with the same denominator, using mixed numbers where appropriate for the context
- add and subtract fractions with denominators that are **multiples** of the same number, and become more confident with more complex calculations.

$$1\frac{4}{5} - \frac{2}{5} =$$

(1 mark)

$$1\frac{3}{5} - \frac{4}{5} =$$

(1 mark)

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

(1 mark)

$$\frac{3}{4} + \square + \frac{1}{2} = 2$$

(1 mark)

5 Draw lines to match these calculations with their answers.

(2 marks)

$$1\frac{5}{8} - \frac{3}{4}$$

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

$$1\frac{3}{4} - 1\frac{1}{12}$$

$$3$$

$$1\frac{3}{5} + \frac{7}{10} + \frac{7}{10}$$

$$\frac{7}{8}$$

$$2\frac{5}{6} + \frac{2}{3}$$

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

6 There is $\frac{3}{4}$ litre of water in a jug.

Jack pours in a further $\frac{3}{8}$ litre of water.

How much water is in the jug altogether?

Write your answer as a mixed number. litres

(1 mark)

! Top tip

Use your multiplication facts to help find equivalent fractions.

/6

Total for

/7

Total for this page