## As outcomes, Year 5 pupils should, for example:

Relate fractions to division. For example:

- understand that finding one third is equivalent to dividing by 3, so  $\frac{1}{3}$  of 15 is equivalent to 15 ÷ 3;
- when 3 whole cakes are divided equally into 4, each person gets three quarters, or  $3 \div 4 = \frac{3}{4}$ ;
- recognise that 12/3 is another way of writing  $12 \div 3$ .

## As outcomes. Year 6 pupils should, for example:

Relate fractions to division. For example:

- understand that finding one tenth is equivalent to dividing by 10, so  $\frac{1}{10}$  of 95 is equivalent to 95 ÷ 10;
- when 9 whole cakes are divided equally into 4, each person gets nine quarters, or  $9 \div 4 = 2\frac{1}{4}$ ;
- recognise that 60 ÷ 8 is another way of writing 6%, which is the same as 74/8

Answer questions such as:

How many halves in: 11/2, 31/2, 91/2...? 11/4, 23/4, 51/2...? How many quarters in: How many thirds in: 11/3, 32/3, 71/3...?

## See also remainders (page 57).

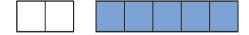
Find fractions of numbers and quantities. For example, answer questions such as:

What is one tenth of: 80, 240, 1000...? What is one hundredth of: 100, 800, 1000...?

What is 3/10 of: 50, 20, 100...? What is 3/4 of: 16, 40, 100...?

Write 23/100 of £1 in pence. Write 7/10 of 1 metre in centimetres.

- What fraction of £1 is 33p? 30p? What fraction of 1 metre is 27 cm? 20 cm?
- What fraction of 1 km is 250 m? 200 m? What fraction of 1 kg is 500 g? 300 g? What fraction of 1 litre is 750 ml? 700 ml? What fraction of 1 day is 1 hour, 8 hours, 12 hours?
- I work for 8 hours and sleep for 10 hours. What fraction of the day do I work? What fraction of the day do I sleep?
- What fraction of the smaller shape is the larger?



See also remainders (page 57).

Find fractions of numbers and quantities. For example, answer questions such as:

What is three tenths of: 80, 10, 100...? What is seven tenths of: 50, 20, 200...? What is nine hundredths of: 100, 400, 1000...?

What is 45 of: 50, 35, 100...? 2 litres, 5 metres...? What is % of: 12, 48, 300...? 12 km, 30 kg?

• Write 3/10 of 2 metres in centimetres. Write <sup>23</sup>/<sub>100</sub> of 4 kilograms in grams. Write 7/1000 of 1 metre in millimetres.

- What fraction of £1 is 35p? 170p? What fraction of 1 metre is 140 cm?
- What fraction of 1 km is 253 m? What fraction of 1 kg is 397 g? What fraction of 1 litre is 413 ml?
- What fraction of one year is: one week; one day; June?

Relate fractions to simple proportions.

See ratio and proportion (page 27).

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