Area

Perpendicular – two lines that meet at a right angle (90°)

Area of a rectangle = base x perpendicular height

height

base

Area of a triangle = $\dfrac{\text{base} \times \text{perpendicular height}}{2}$

perpendicular height

base

Area of a parallelogram = base x perpendicular height

perpendicular height

base

Fraction of an Amount

Whole – all of something. *For example, the whole shape or total amount.*

Equal parts – the whole being split into equal sized pieces.

Of – finding a fraction of an amount means to multiply. *For example* $\frac{1}{2}$ *of* $10 = \frac{1}{2} \times 10$

To find:

Half $= \frac{1}{2} =$ divide by 2

Quarter $= \frac{1}{4} =$ divide by 4

Fifth $= \frac{1}{5} =$ divide by 5

Tenth $= \frac{1}{10} =$ divide by 10

Hundredth $= \frac{1}{100} =$ divide by 100

Percentage of an Amount

Key equivalences

$50\% = \dfrac{1}{2}$

$25\% = \dfrac{1}{4}$

$20\% = \dfrac{1}{5}$

$10\% = \dfrac{1}{10}$

$1\% = \dfrac{1}{100}$

To find percentages of an amount:

$50\% = \frac{1}{2} =$ divide by 2

$25\% = \frac{1}{4} =$ divide by 4

$20\% = \frac{1}{5} =$ divide by 5

$10\% = \frac{1}{10} =$ divide by 10

$1\% = \frac{1}{100} =$ divide by 100