

USING MATHEMATICS 3 (ACC 3)

Some calculations which are the same can be described in different ways.

Some of these are listed below.

Addition

+

add

the sum of

the total of

altogether

the value of

how much

Subtraction

-

subtract

take away

the difference between

how many more

how many less

how much left

Multiplication

x

multiply

times

total

altogether

(you can sometimes multiply instead of doing lots of additions)

Division

÷

divide

share

how many per

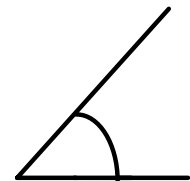
how much each

add + ; $14 + 7$

altogether in total; usually means **add**

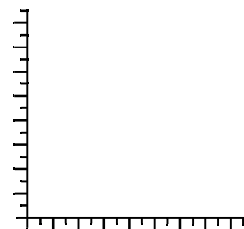
a.m. used with 12-hour time for morning times
(between midnight and midday)

angle the amount of turning between two lines



area the amount of flat surface covered by a shape

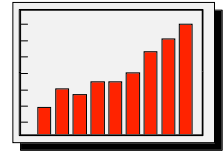
axes plural of axis (see below)



axis a line along the base or up the edge of a graph

bar graph

a graph which displays its
information using bars or columns

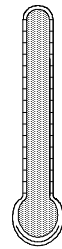


breadth

distance across a shape

Celsius ($^{\circ}\text{C}$)

unit of measure for temperature



centimetre (**cm**)

unit of length - for measuring small lengths

column

in a table (or grid) a column goes up and down
the way (i.e. vertically)

compass

a device for finding direction

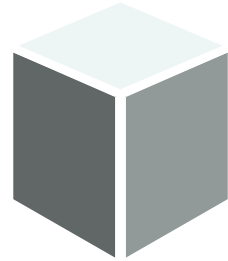


cost

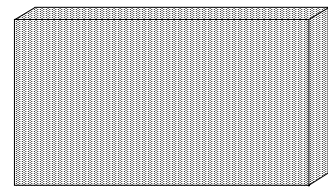
price

cube

a solid shape (e.g. an Oxo cube)



cubic centimetre (cm^3) unit of measure for volume



cuboid

a solid shape (e.g. a shoe box)

cylinder

a solid shape (e.g. a can of cola)



data

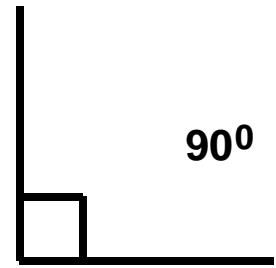
a collection of information, facts and figures

decimal point

a dot used between numbers to separate the whole numbers from the fractions e.g. **6.4**

degree

unit of measure for angles



deposit

part of the cost of an item

difference between

take away; subtract; $10 - 5$

digit

number

discount

money taken off a price e.g. in a sale;
usually **subtract**

divide

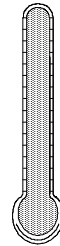
÷

east one of the four main compass directions



equal share **divide** a quantity into smaller equal amounts

°Fahrenheit(°F) unit of measure for temperature



fewest least; lowest number

figures numbers; digits

fraction part of a whole; e.g. $\frac{1}{2}$

to find $\frac{1}{2}$ divide (\div) by 2

to find $\frac{1}{3}$ divide (\div) by 3

to find $\frac{1}{4}$ divide (\div) by 4 etc

full price normal price paid
(i.e. when not in a sale; before discount)
the full price includes VAT

gram (g) unit of measure for weight

height how tall an object or person is

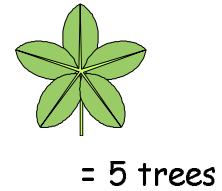
hour unit of time; 1 hour = 60 minutes;
24 hours = 1 day

hours labour number of hours taken to do a job

including an extra amount which has already
been added on

information facts and figures; data

key used with a pictograph;
explains what each picture
'stands for'

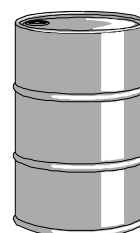


kilogram (kg) unit of weight - for measuring heavier items
e.g. a bag of potatoes or a person

kilometre (km) unit of length - for measuring longer distances
e.g. Dundee to Perth

label a heading used on each axis in a graph

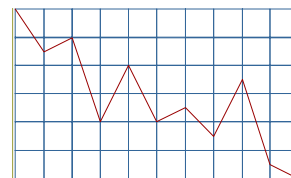
layer a slice



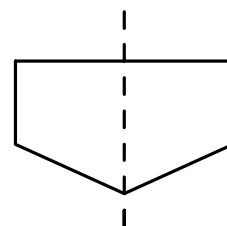
length the distance across an object

less **take away**; subtract

line graph a graph which uses points joined
by a line to display information



line of symmetry a line which can be drawn which
splits a shape into two equal parts
- one part and it's mirror image

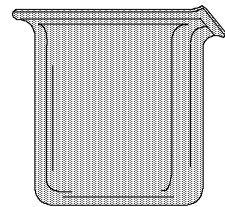


litre unit of volume for measuring large amounts of
liquid e.g. amount of water in a bucket

logo a symbol or pattern used in advertising

measuring jug a jug with a scale marked on it;
used for finding the volume of
an amount of liquid

measuring cylinder a cylinder with a scale marked on it;
used for finding the volume of an
amount of liquid: often used in science



metre (m) unit of length - for measuring longer distances
e.g. the length of a room

millilitre (ml) a unit of volume for small amounts of liquid
e.g. amount of coffee in a cup

millimetre (mm) unit of length - for measuring small lengths

minute unit of time; 60 minutes = 1 hour

most frequent

most often; largest number

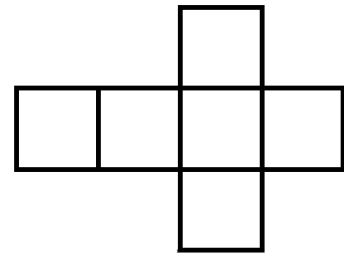
multiply

x ; times

net

a flat shape which folds

up to make a solid shape

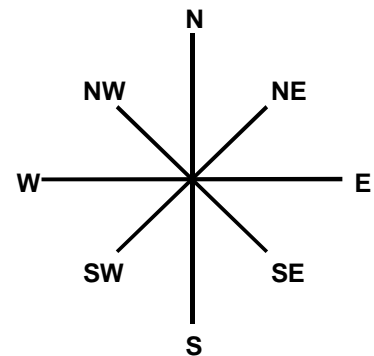


north (N)

one of the four main
compass directions

north-east (NE)

half-way between
north and east



north-west (NW)

half-way between north and west

parts value

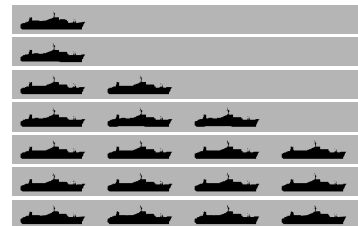
the total cost of parts used
to do a job or a repair

pay rise increase in pay; **add**

per each e.g. 'per week' means 'each week'

percentage a fraction out of 100 ; %

pictograph a type of graph using pictures
to show information

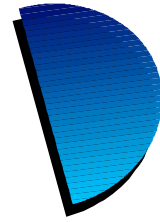


plan a drawing representing
a real life place or object

pounds a unit of measure for weight

protractor

used for measuring angles

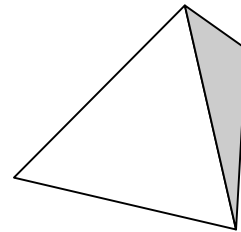


prism

a solid shape which can be sliced into equal layers

pyramid

a solid shape



rectangle

a four-sided shape
e.g. a page in this booklet



reduction

amount to be **'taken away'**

regular pattern

a pattern made using the same shape
(or shapes) over and over again

row	in a table (or grid) a row goes across the way (i.e. horizontally)
sale price	reduced price; full price ' take away ' discount
scale	a number line or an instruction which tells you how to change a measure on a plan into a real life measure e.g. 1 cm : 3 km
scale drawing	a drawing of a real-life object or place; usually a reduction
scattergraph	a graph which uses crosses on a grid to display information
shape template	a stencil or shape which is used to draw round
share	divide into equal parts

solid shape

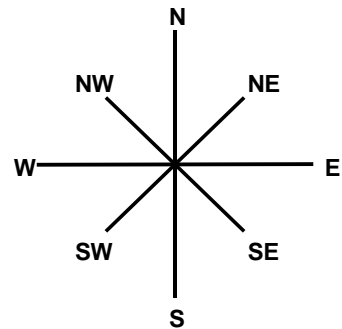
a 3 dimensional object; something which has length, breadth and height

south (S)

one of the four main compass directions

south-east (SE)

half-way between south and east

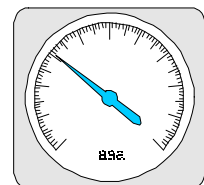


south-west (SW)

half-way between south and west

speedometer

an instrument used for indicating speed,
e.g. on the dashboard in a car

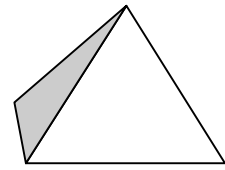


square

a four-sided shape;
all four edges are the same length;
all four angles are 90°



square based pyramid a solid shape (e.g. Pyramids of Egypt)



square centimetre (cm^2) a unit of measure for area

subtract - ; take away

sum of total of; **add**

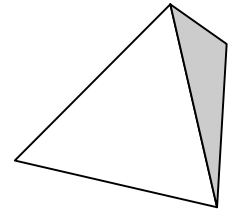
table chart; list; grid

take away - ; subtract

temperature a description of how warm or cold
somewhere or something is

template

stencil

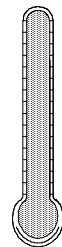


tetrahedron

a solid shape; a triangular-based pyramid

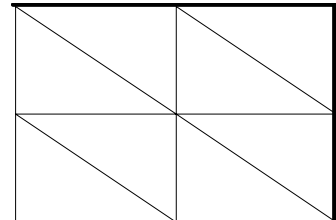
thermometer

an instrument for measuring temperature



tiling

a pattern of shapes
with no gaps or overlaps



times

x ; multiply

total

altogether; usually **add** but can be **multiply**

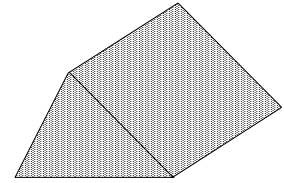
trapezium

a four-sided shape



triangular prism

a solid shape (e.g. a Toblerone box)



value

amount; answer

volume

the amount of space inside a solid shape or the amount of liquid which can be put into a container

weight

used to describe how heavy (or light) something is

west

one of the four main compass directions

