

# MATHS VOCABULARY

## Solving problems

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### MAKING DECISIONS AND REASONING

pattern, puzzle  
calculate, calculation  
mental calculation  
method, strategy  
jotting  
answer  
right, correct, wrong  
what could we try next?  
how did you work it out?  
number sentence  
sign, operation, symbol, equation

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### MONEY

money  
coin, note  
penny, pence, pound (£)  
price, cost  
buy, bought, sell, sold  
spend, spent  
pay  
change  
dear, costs more, more/most expensive  
cheap, costs less, cheaper, less/least expensive  
how much...? how many...?  
total, amount, value, worth  
discount, profit, loss  
currency

## Handling data

count, tally, sort, vote  
survey, questionnaire  
data, database  
graph, block graph, line graph  
pictogram,  
represent  
group, set

list, chart, bar chart, bar line chart  
tally chart  
table, frequency table  
Carroll diagram, Venn diagram  
label, title, axis, axes  
diagram  
most popular, most common  
least popular, least common  
mode, range, mean, average, median  
statistics, distribution  
maximum/minimum value  
classify, outcome

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### PROBABILITY

fair, unfair  
likely, unlikely, likelihood, equally likely  
certain, uncertain  
probable, possible, impossible  
chance, good chance,  
poor chance, no chance  
equal chance, even chance, fifty-fifty chance  
risk, doubt  
biased, random

## Measures, shape and space

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### MEASURES (GENERAL)

measure, measurement  
size  
compare  
unit, standard unit  
metric unit, imperial unit  
measuring scale, division  
guess, estimate  
enough, not enough  
too much, too little  
too many, too few  
nearly, roughly, about, close to  
about the same as, approximately  
just over, just under

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### LENGTH

length, width, height, depth, breadth  
long, short, tall, high, low  
wide, narrow, deep, shallow, thick, thin  
longer, shorter, taller, higher... and so on  
longest, shortest, tallest, highest... and so on  
far, further, furthest, near, close  
distance apart/between, distance to... from...  
edge, perimeter, circumference  
kilometre (*km*), metre (*m*)  
centimetre (*cm*), millimetre (*mm*)  
mile, yard, feet, foot, inches, inch  
ruler, metre stick, tape measure, compasses

## AREA

area, covers, surface  
square centimetre ( $cm^2$ ), square metre ( $m^2$ )  
square millimetre ( $mm^2$ )

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## TIME

time  
*days of the week:* Monday, Tuesday...  
*months of the year:* January, February...  
*seasons:* spring, summer, autumn, winter  
day, week, fortnight, month  
year, leap year, century, millennium  
weekend, birthday, holiday  
calendar, date, date of birth  
morning, afternoon, evening, night  
am, pm, noon, midnight  
today, yesterday, tomorrow  
before, after, next, last  
now, soon, early, late, earliest, latest  
quick, quicker, quickest, quickly  
fast, faster, fastest, slow, slower, slowest, slowly  
old, older, oldest, new, newer, newest  
takes longer, takes less time  
how long ago? how long will it be to...?  
how long will it take to...?  
timetable, arrive, depart  
hour, minute, second  
o'clock, half past, quarter to, quarter past  
clock, watch, hands  
digital/analogue clock/watch, timer  
24-hour clock, 12-hour clock  
Greenwich Mean Time, British Summer Time  
International Date Line  
how often?  
always, never, often, sometimes, usually

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## SHAPE AND SPACE

shape, pattern  
flat, line  
curved, straight  
round

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hollow, solid  
corner  
point, pointed  
face, side, edge, end  
sort  
make, build, construct, draw, sketch  
centre, radius, diameter  
circumference, concentric, arc  
net  
surface  
angle, right-angled  
congruent  
intersecting, intersection  
plane  
base, square-based  
vertex, vertices  
layer, diagram  
regular, irregular  
concave, convex  
open, closed  
tangram

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## 3D SHAPES

3D, three-dimensional  
cube, cuboid  
pyramid  
sphere, hemi-sphere, spherical  
cone  
cylinder, cylindrical  
prism  
tetrahedron, polyhedron, octahedron, dodecahedron

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## 2D SHAPES

2D, two-dimensional  
circle, circular, semi-circle  
triangle, triangular  
equilateral triangle, isosceles triangle, scalene triangle  
square, rhombus  
rectangle, rectangular, oblong  
pentagon, pentagonal  
hexagon, hexagonal  
heptagon  
octagon, octagonal  
polygon  
quadrilateral  
kite  
parallelogram, trapezium

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## POSITION, DIRECTION AND MOVEMENT

position

over, under, underneath

above, below, top, bottom, side

on, in, outside, inside, around

in front, behind, front, back

before, after, beside, next to

opposite, apart

between, middle, edge, centre

corner

direction

journey, route, map, plan

left, right

up, down, higher, lower

forwards, backwards, sideways, across

close, far, near

along, through, to, from, towards, away from

ascend, descend

grid, row, column

origin, coordinates

clockwise, anti-clockwise

compass point, north, south, east, west (N, S, E, W)

north-east, north-west, south-east, south-west

(NE, NW, SE, SW)

horizontal, vertical, diagonal

parallel, perpendicular

x-axis, y-axis

quadrant

movement

slide, roll

whole turn, half turn, quarter turn, rotate, rotation

angle, ...is a greater/smaller angle than

right angle, acute, obtuse, **reflex**

degree

straight line

stretch, bend

ruler, set square

angle measurer, compasses, protractor

## Instructions

listen, join in, say, recite

think, imagine, remember

start from, start with, start at

look at, point to, show me

put, place

arrange, rearrange

change, change over

**adjusting**, **adjust**

split, separate

carry on, continue, repeat

what comes next? predict

describe the pattern, describe the rule

find, find all, find different

investigate

choose, decide

collect

use, make, build, construct, bisect

tell me, **define**, describe, name, pick out, identify

discuss, talk about

explain

explain your method/answer/reasoning

give an example of...

show how you...

show your working

justify

make a statement

read, write, record

write in figures

present, represent

interpret

trace, copy

complete, finish, end

fill in, shade, colour

label, plot

tick, cross

draw, sketch

draw a line between, join (up), ring, arrow

cost, count, tally

calculate, work out, solve, convert

investigate, **interrogate (data)**, question, **prove**

answer

check

## General

same, **identical**, different

missing number/s

number facts, number pairs, number bonds

greatest value, least value

number line, number track

number square, hundred square

number cards, number grid

abacus

counters, cubes, blocks, rods

die, dice, spinner

dominoes

pegs, peg board, pin board

geo-strips

same way, different way

best way, another way

in order, in a different order

not

all, every, each