

# Maths Vocabulary

This document sets out the mathematical vocabulary we use throughout school. We display the key vocabulary on our 'Maths Working Walls' at appropriate times throughout the year depending on the topic being taught. The mathematical vocabulary the children need to learn is promoted through talk and discussions during maths lessons as we are aware that children cannot learn the meanings of words in isolation. We also use questioning to help them to understand mathematical ideas and use mathematical terms correctly.

The mathematical words listed include all the vocabulary that the children will have been introduced to in the Early Years and Key Stage 1 with new words for Year 3 highlighted in red.

Mathematical language continues to be developed through KS2 to the words that children are expected to know and be able to use in Year 6.

# Maths Vocabulary Year 3

## Number and place value

Number, numeral

Zero, one,

two, three to twenty, and beyond to one hundred, two hundred .....one thousand

None

How many...?

Count (on/up/to/from/down)

Forwards, backwards

Count in ones, twos, fives, tens, threes and fours, *eights, fifties and so on to hundreds*

Equal to, equivalent, is the same as, as many as, pair, rule, *relationship,*

> greater than, < less than

*Roman numerals*

More, most, less, least, lesser, many, few, fewer, fewest, smaller, smallest, larger, largest, greater, greatest, bigger, biggest, sequence, continue, predict

Odd and even

*Multiple of, factor of*

One more, ten more, one less, ten less, *one hundred more, one hundred less*

Units, ones, tens, digit, one-, two- or three-digit number, place, place value  
stands for, represents, exchange, numeral

First, second, third, third.....twentieth, twenty first, twenty second etc

Last, last one, last but one

Before, after, next, between, half-way between, above, below

Compare, order, size

## Addition and subtraction

Addition, add, more, and, make, sum, total, altogether

Double, near double, half, halve

One more, two more...ten more, *one hundred more.....*

How many more to make...?

How many more is.... than ...?

How much more is ....?

Subtract, take away, how many are left/left over?

How many have gone?

How many fewer is..... than....?

How much less is...?

One less, two less, ten less, *one hundred less*

Difference between

Equals, is the same as

Number bonds/pairs/*hundreds boundary*

## Estimating

Guess, how many ...? estimate, nearly, roughly, close to, *approximately, approximate*, about the same as, just over, just under, too many, too few, enough, not enough, exact, exactly, *round, nearest, round to the nearest ten, hundred*  
*Round up, round down*

## Multiplication and Division

Multiplication, multiply, multiplied by, multiple, *factor*, groups of, times, *product*, once, twice, three times ... ten times, repeated addition

Division, dividing, divide, divided by, divided into  
grouping, sharing, share, share equally, left, left over, *remainder*, one each, two each, three each ... ten each, group in pairs, threes ... tens

Equal groups of

Multiplication table, multiplication fact, division fact, doubling, halving, array, row, column

Number patterns

## Fractions

Fraction, equivalent fraction, mixed number, numerator, denominator equal part, equal grouping, equal sharing

Parts of a whole, half, two halves, one of two equal parts, quarter, two quarters, three quarters, one of four equal parts, one third, two thirds, one of three equal parts, *sixths, sevenths, eighths, tenths ...*

# Measure

Measure, measurement, measuring scale, *division*

Size, compare, guess, estimate,

Enough, not enough, too much, too little, too many, too few. nearly, close to, about the same as, *approximately*, roughly, just over, just under

## Length

*Millimetre*, centimetre, metre, *kilometre*

Length, height, width, depth

Long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher, longest, shortest, tallest, highest

Far, further, furthest, near, close, *distance apart ... between ... to ... from*

## *Perimeter*

Ruler, metre stick, tape measure

## Weight

Kilogram, half kilogram, gram, weigh, weighs,

Balances, scales

Heavy, light, heavier than, lighter than, heaviest, lightest

## Capacity and volume

Litre, half litre, millilitre

Capacity, volume, full, empty, more than, less than, half full, quarter full, holds, contains

## Temperature

Temperature, degree, *centigrade*

## Time

Days of the week, months of the year, seasons, day, week, weekend, fortnight, month, year, *century, calendar*, date, birthday, morning, afternoon, evening, night, bedtime, midnight

Today, yesterday, tomorrow

Before, after, earlier, later, next, first, last, now, soon, early, late, *earliest, latest*

Quick, quicker, quickest, quickly, 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 ...? How often?

Always, never, often, sometimes, usually, once, twice

Hour, o'clock, half past, quarter past, quarter to, 5, 10, 15 ... minutes past, *a.m, p.m*  
clock, clock face, watch, hands, digital/analogue clock/watch, timer, hour hand, minute hand, hours, minutes, seconds

*Roman numerals, 12-hour clock time, 24-hour clock time*

## Money

Money, coin, penny, pence, pound

Price, cost, buy, bought, sell, sold, spend, spent, pay, change, dear, costs more, cheap, costs less, cheaper, costs the same as

How much ...? How many....? Total

## Geometry

### Properties of shape

Shape, pattern

Flat, curved, straight, round, hollow, solid, surface

Sort, make, build, draw, *perimeter*

Size, bigger, larger, smaller

Symmetry, symmetrical, symmetrical pattern, line symmetry, repeating pattern, match

### 2-D shape

Corner, side, point, pointed, rectangle (including square), rectangular, circle, circular, triangle, triangular, pentagon, *pentagonal* hexagon, *hexagonal*, octagon, *octagonal* quadrilateral, *right-angled*, *parallel*, *perpendicular*

### 3-D shape

Face, edge, vertex, vertices

cube, cuboid, pyramid, sphere, *hemisphere*, cone, cylinder, *prism*, *triangular prism*

### Position and direction

Position, over, under, underneath, above, below, top, bottom, side, on, in, outside, inside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, centre, corner

Direction, journey, route, left, right, up, down, higher, lower, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, clockwise, anti-clockwise, away from,

Compass point, north, south, east, west, N, S, E, W, horizontal, vertical, diagonal

Movement, slide, roll, turn, stretch, bend

Whole turn, half turn, quarter turn, three-quarter turn, right angle, straight line, angle ... is a greater/smaller angle than, acute angle, obtuse angle

## Statistics

Count, tally, sort, vote, group, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, Carroll diagram, Venn diagram, label, title, axis, axes, diagram, most popular, most common, least popular, least common

## General

Pattern, puzzle, problem, problem solving, mental, mentally

Recognise, describe, draw, compare, sort

What could we try next?

Show how you....

Explain your method

Describe the pattern,

How did you work it out?

Explain your thinking

Describe the rule, investigate

Mental calculation, written calculation, greatest value, least value, statement