

Year 4 - Maths Vocabulary

Words in red are new for year group.

Number and place value

Number

number, numeral

zero, one, two, three to twenty, and beyond to one hundred, two hundredone thousand
none

How many...?

count (on/up/to/from/down), forwards, backwards

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

equal to, equivalent to, is the same as, more, less, most, least,

tally, many, multiple of, factor of

Roman numerals, integer, **positive, negative, above/below zero, minus negative numbers**

odd and even, sequence, continue, predict, few, pattern, pair, rule, relationship

as many as, > greater than, < less than

Place value

ones, tens, hundreds, digit, one-, two- or three-digit number, place, place value

stands for, represents, exchange,

the same number as, as many as, more, most, less, least, lesser, many, fewer, fewest, smaller, smallest, larger, largest, greater, greatest, bigger, biggest, compare, order, size, tally,

one more, ten more, one hundred more one less, **one thousand more** one less, ten less, one hundred less, **one thousand less**

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

Addition and subtraction

addition, add, more, and, make, sum, total, altogether, put together, exchange

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, distance between, equals, is the same as

number bonds/pairs/facts tens boundary, hundreds boundary, **inverse**

Estimating

guess, how many ...? estimate, nearly, roughly, close to, about the same as

just over, just under, too many, too few, enough, not enough, exact, exactly, approximate, approximately

round, nearest, round to the nearest ten, hundred, **thousand**, 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, exchange, **distributive law**, **associative law**

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, **inverse square**, **squared cube**, **cubed**

doubling, halving

array, row, column, number patterns

Fractions

fraction, equivalent fraction, **common 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, unit fractions and non-unit fractions

sixths, sevenths, eighths, tenths ... **hundredths decimal, decimal fraction, decimal point, decimal place, decimal equivalent proportion**

Measure

measure, measurement, measuring scale, division

size, compare, **unit, standard unit metric unit**

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, mile

length, height, width, depth, **breadth**

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

far, further, furthest, near, close, half as high, twice as wide

distance apart ... between ... to ... from, **edge, perimeter, area, covers, square centimetre (cm²)**

ruler, metre stick, tape measure

Weight

mass: big, bigger, small, smaller weight: heavy/light, heavier/lighter, heaviest/ lightest

Millimetre (mm), centimetre (cm), metre (m), kilometre (km), mile

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, container, **measuring cylinder**

Temperature

temperature, degree, centigrade, °C

Time

days of the week, months of the year, seasons, day, week, weekend, fortnight, month, year, leap year, century, **millennium**, date of birth, birthday, morning, afternoon, evening, night, bedtime, calendar

today, yesterday, tomorrow

before, after, earlier, later, next, first, last, **noon, midnight**, 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, **timetable**, **arrive, depart**

Roman numerals

12-hour clock time, 24 - hour clock time

Money

money, coin, note, penny, pence, pound, £, p

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, **line**, curved, straight, round, hollow, solid, surface

sort, make, build, **construct**, draw, **sketch**, perimeter, **centre**, **angle**, **right-angled**, **base**, **square-based**

size, bigger, larger, smaller

symmetry, symmetrical, symmetrical pattern, line symmetry, **reflect**, **reflection**, repeating pattern, match, **regular**, **irregular**

2-D shape

2-D, **two dimensional**, Corner, side, point, pointed, rectangle (including square), rectangular, **oblong**, **rectilinear**, circle, circular, triangle, triangular, **equilateral triangle**, **isosceles triangle**, **scalene triangle**, pentagon, pentagonal, hexagon, hexagonal, **heptagon**, octagon, octagonal, quadrilateral, **parallelogram**, **rhombus**, **trapezium polygon**, right-angled, parallel, perpendicular

3-D shape

3-D, **three dimensional**, Face, edge, vertex, vertices

cube, cuboid, pyramid, sphere, hemisphere, **spherical**, cone, cylinder, **cylindrical**

prism, triangular prism, **tetrahedron**, polyhedron

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, 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, **translate**, **translation**, away from

movement, slide, roll, turn, stretch, bend, **quadrant**

whole turn, half turn, quarter turn, three-quarter turn, **rotate**, **rotation**, angle ... is a greater/smaller angle than, **degree**, right angle, acute angle, obtuse angle, **reflection**, straight line, **ruler**, **set square**, **angle measurer**, **compass**

Statistics

count, tally, sort, vote, **survey, questionnaire, date**, 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

What could we try next?

How did you work it out?

Show how you.....

Explain your thinking

Explain your method

How many more?

How many fewer?

Ape It!

Describe the pattern, describe the rule, investigate

Recognise, describe, draw, compare, sort, greatest value, least value

Mental calculation, written calculation

Statement

Justify, make a statement

Explain your reasoning