

Maths Vocabulary Year 4

**Number and Place value**

Number, numeral, zero, one, two, three to twenty, and beyond to one hundred, two hundred .....one thousand, ten thousand, hundred thousand, million

None

How many...?

Count (on/up/to/from/down), Forwards, backwards

Count in ones, twos, fives, tens, threes and fours, eights, six, sevens, nines, twenty fives, fifties and so on to hundreds

Equal to, equivalent, is the same as, as many as, pair, rule, relationship, next, consecutive, > greater than, < less than

Roman numerals

Integer, positive, negative, above/below zero, minus, negative numbers

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, one thousand more, one thousand 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, tally,

**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/facts tens boundary, hundreds boundary

### **Estimation**

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, 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

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

Inverse, square, squared cube, cubed

### **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 ... hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion

### **Measures**

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, distance apart ... between ... to ... from

Edge, perimeter, area, covers, square centimetre (cm<sup>2</sup>)

Ruler, metre stick, tape measure

### **Weight**

Kilogram, half kilogram, gram, weigh, weighs,

Balances, scales

Heavy, light, heavier than, lighter than, heaviest, lightest, mass: big, bigger, small, smaller, heavier/lighter, 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, leap year, century, millennium, calendar, date, date of birth, birthday, morning, noon, 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, timetable, arrive, depart

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

Sort, make, build, construct, draw, sketch, perimeter  
angle, right-angled base, square-based

Reflect, reflection

Size, bigger, larger, smaller

Symmetry, symmetrical, symmetrical pattern, line symmetry, 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, spherical, hemisphere, 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,  
away from,

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

Movement, slide, roll, turn, stretch, bend

Whole turn, half turn, quarter turn, three-quarter turn, rotate, rotation, degree, right angle,  
straight line, ruler, set square, angle measurer, compass

Angle ... is a greater/smaller angle than, acute angle, obtuse angle, reflection

### **Statistics**

Count, tally, sort, vote, survey, questionnaire, data, 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?  
How did you work it out?  
Show how you.....  
Explain your thinking  
Explain your method  
Describe the pattern, describe the rule, investigate  
Justify, make a statement  
Mental calculation, written calculation, greatest value, least value, statement,