



Leigh C of E Academy

Maths Key Vocabulary



NUMBER

zero, number, one, two, three ... to twenty and beyond, teens numbers, eleven, twelve ... twenty, none how many ...? count, count (up) to, count on (from, to), count back (from, to), count in ones, twos, fives, tens, is the same as more, less, odd, even, few, pattern, pair, ones, tens, digit, the same number as, as many as, more, larger, bigger, greater, fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest, one more, ten more, one less, ten less, compare, order, size, first, second, third... twentieth, last, last but one, before, after, next, between, guess, how many ...? estimate, nearly, close to, about the same as, just over, just under, too many, too few, enough, not enough

numeral, twenty-one, twenty-two ... one hundred, forwards, backwards, equal to, equivalent to, most, least, many, multiple of, equal to, half-way between, above, below

two hundred, one thousand, threes, fours..., tally, sequence, continue, predict, rule, > greater than, < less than, one-, two- or three-digit number, place, place value, stands for, represents exchange, twenty-first, twenty-second, exact, exactly

eights, fifties, hundreds, factor of, relationship, Roman numerals, one hundred more, one hundred less, approximate, approximately, round, nearest, round to the nearest ten, hundred round up, round down

ten thousand, hundred thousand, million, sixes, sevens, nines, twenty-fives, next, consecutive, integer, positive, negative above/below zero, minus negative numbers, one thousand more, one thousand less, thousand

factor pair, $\geq$ greater than or equal to, $\leq$ less than or equal to, formula divisibility square number prime number ascending/descending order, ten thousand

factorise, prime factor, digit total

ADDITION AND SUBTRACTION

add, more, and, make, sum, total, altogether, double, one more, two more ... ten more, how many more to make ...? how many more is ... than ...? how much more is ...? take away, how many are left/left over? how many have gone? one less, two less, ten less ... how many fewer is ... than ...? how much less is ...? difference between

addition, near double, half, halve, subtract, equals, is the same as, number bonds/pairs, missing number

one hundred more, one hundred less, facts, tens, boundary, exchange, regroup hundreds boundary

inverse. minus

ones boundary, tenths boundary

MULTIPLICATION AND DIVISION

sharing, doubling, halving, number patterns

multiplication, multiply, multiplied, by, multiple, division, dividing, grouping, array

groups of times once, twice, three times ... ten times repeated addition, divide, divided by, divided into, share, share equally, left, left over, one each, two each, three each ... ten each, group, in pairs, threes ... tens, equal groups of, row, column, multiplication, table, multiplication fact, division fact, repeated addition

factor, product, remainder

inverse square, squared cube, cubed

divisible by, divisibility rules, square number, ratio, percentage

factorise, prime, prime number

FRACTIONS

parts of a whole, half, quarter

fraction, equal part, equal grouping, equal sharing, one of two equal parts, one of four equal parts



EYFS



Year 1



Year 2



Year 3



Year 4



Year 5



Year 6



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equivalent fraction, mixed number, numerator, denominator, two halves, two quarters, three quarters, one third, two thirds, one of three equal parts

sixths, sevenths, eighths, tenths

hundredths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion

proper/improper fraction, equivalent, reduced to, cancel, thousandths, in every, for every percentage, per cent, %

ratio

ALGEBRA

formula, formulae equation unknown variable

MEASUREMENT

measure, size, compare, guess, estimate, enough, not enough, too much, too little, too many, too few, nearly, close to, about the same as, just over, just under

measurement, roughly

measuring scale

division, approximately

unit, standard unit, metric unit

imperial unit

MEASUREMENT – LENGTH

metre, length, height, width, depth, long, short, tall, high, low, wide, narrow, thick, thin, longer, shorter, taller, higher ... and so on longest, shortest, tallest, highest ... and so on, far, near, close centimetre, ruler, metre stick

further, furthest, tape, measure

millimetre, kilometre, mile, distance apart ... between ... to ... from, perimeter

breadth, edge, area, covers square centimetre (cm²)

square metre (m²), square millimetre (mm²)

yard, foot, feet, inch, inches, circumference

MEASUREMENT - WEIGHT

weigh, weighs, balances, heavy, light, heavier than, lighter than, heaviest, lightest, scales kilogram, half kilogram

gram

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

tonne, pound, ounce

MEASUREMENT – CAPACITY AND VOLUME

full, empty, half full, holds, container

litre, half litre, capacity, volume, more than, less than, quarter full

millilitre, contains

measuring cylinder

pint, gallon

centilitre cubic centimetres(cm³), cubic metres (m³), cubic millimetres (mm³), cubic kilometres (km³)

MEASUREMENT – TEMPERATURE

Temperature, degree

centigrade

MEASUREMENT - TIME

time, days of the week, Monday, Tuesday ... day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, next,



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last, now, soon, early, late, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, older, oldest, new, newer, newest, takes longer, takes less time, hour, o'clock, clock, watch, hands months of the year (January, February ...) seasons: spring, summer, autumn, winter, weekend, month, year, earlier, later, first, midnight, date, how long ago? how long will it be to ...? how long will it take to ...? how often? always, never, often, sometimes, usually, once, twice, half past, quarter past, quarter to, clock face, hour hand, minute hand, hours, minutes
fortnight, 5, 10, 15 ... minutes past, digital/analogue clock/watch, timer, seconds
century, calendar, earliest, latest, a.m., p.m, Roman numerals, 12-hour clock time, 24-hour clock time

leap year, millennium, noon, date of birth, timetable, arrive, depart
Greenwich Mean Time, British Summer Time, International Date Line

MEASUREMENT – MONEY

money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay
change, dear, costs more, cheap, costs less, cheaper, costs the same as, how much ...? how many ...? total
bought, sold
discount, currency
profit, loss

GEOMETRY – PROPERTIES OF SHAPE

shape, pattern, flat curved, straight, round, hollow, solid, sort, make, build, draw, size, bigger, larger, smaller, symmetrical, pattern, repeating pattern, match
symmetry, symmetrical pattern
surface, line, symmetry,
perimeter
line, construct, sketch, centre, angle, right-angled, base, square-based, reflect, reflection, regular, irregular
radius, diameter, congruent, axis of symmetry, reflective symmetry
circumference, concentric, arc net, open, closed, intersecting, intersection, plane

GEOMETRY - 2-D SHAPE

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

GEOMETRY - 3-D SHAPE

face, edge, vertex, vertices, cube, pyramid, sphere, cone
cuboid, cylinder
hemisphere, prism, triangular prism
3-D, three-dimensional, spherical, cylindrical, tetrahedron, polyhedron
Octahedron
dodecahedron net, open, closed

GEOMETRY – POSITION AND DIRECTION

position, over, under, above, below, top, bottom, side, on, in outside, inside, around, in front, behind, front, back, beside, next to, opposite, apart, between, middle, edge, corner, direction, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along,



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through, to, from, towards, away from, movement, slide, roll, turn, stretch, bend, whole turn, half turn

underneath, centre, journey, quarter turn, three-quarter turn

route, higher, lower, clockwise, anticlockwise, right angle, straight line

compass point, north, south, east, west, N, S, E, W horizontal, vertical, diagonal, angle ... is a greater/smaller angle than, acute angle, obtuse angle

north-east, north-west, south-east, south-west, NE, NW, SE, SW, translate, translation, rotate, rotation, degree, reflection, ruler, set square, angle measurer, compass

coordinate, protractor

reflex angle

STATISTICS

count, sort group, set, list

vote, table

tally, graph, block graph, pictogram represent, label, title, most popular, most common least popular, least common

chart, bar chart, frequency table Carroll diagram, Venn diagram, axis, axes diagram

survey, questionnaire, data

database, bar line chart, line graph, maximum/minimum value, outcome

pie chart, mean (mode, median, range as estimates for this), statistics, distribution

GENERAL

pattern, puzzle, what could we try next? how did you work it out? recognise, describe, draw, compare, sort

problem, problem solving, mental, mentally, explain your thinking

show how you ...explain your method, describe the pattern, describe the rule, investigate, mental calculation, written calculation

greatest value, least value, statement

justify, make a statement

explain your reasoning