Maths Vocabulary for the New National Curriculum

This document sets out Key Stage 1 (KS1) and Key Stage 2 (KS2) maths vocabulary under the new National Curriculum. The tables can be used to check pupils’ understanding of new vocabulary introduced in years 1-6.

The lists are intended as a guide as to what pupils should know, and are not exhaustive. Of course, key terms may be introduced earlier as a challenge for our learners, although it is also important to ensure that learning is ‘new’ and carries an ‘element of surprise’.

It is expected that key vocabulary is displayed on ‘Maths Learning Walls’ at appropriate times during the academic year, and is promoted through mathematical talk in lessons.

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| **New maths vocabulary for year 1** |
| Number and place value | Addition and subtraction | Multiplication and division | Measure | Geometry (position and direction) | Geometry (properties ofshape) | Fractions | General/problem solving |
| NumberZero, one, two, three to twenty, and beyondNone Count(on/up/to/from/down)Before, afterMore, less, many, few, fewer, least, fewest, smallest, greater, lesserEqual to, the same asOdd, even | Number bonds, number lineAdd, more, plus, make, sum, total, altogetherInverseDouble, near doubleHalf, halveEquals, is the same as (including equals sign)Difference betweenHow many more to make..?, how | Odd, evenCount in twos, threes, fivesCount in tens (forwards from/backwards from)How many times?Lots of, groups ofOnce, twice, three times, five timesMultiple of, times, multiply, multiply byRepeated addition | Full, half full, empty HoldsContainerWeigh, weighs, balancesHeavy, heavier, heaviest, light, lighter, lightestScales TimeDays of the week: Monday, Tuesday, etc.Seasons: spring, summer, autumn, winterDay, week, month, year, weekendBirthday, holidayMorning, afternoon, evening, | PositionOver, under, underneath, above, below, top, bottom, sideon, in, outside, insidearound, in front, behindFront, backBefore, afterBeside, next to, OppositeApartBetween, middle, edge, centreCorner | Group, sortCube, cuboid, pyramid, sphere, cone, cylinder, circle, triangle, squareShapeFlat, curved, straight, roundHollow, solidCorner (point, pointed)Face, side, edgeMake, build, draw | WholeEqual parts, four equal partsOne half, two halvesA quarter, two quarters | Listen, join inSay, think, imagine, rememberStart from, start with, start atLook at, point to Put, place, fit Arrange, rearrangeChange, change overSplit, separateCarry on, continue, repeat, what comes next?Find, choose, collect, use, make, build |

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| PairUnits, ones, tensTen more/less DigitNumeral Figure(s) Compare(In) order/a different orderSizeValueBetween, halfway betweenAbove, below | many more is…than..?, how much more is..?Subtract, take away, minusHow many fewer is…than..?, how much less is..? | Array, row, columnDouble, halveShare, share equallyGroup in pairs, threes, etc.Equal groups ofDivide, divided by, left, left over | night, midnightBedtime, dinnertime, playtimeToday, yesterday, tomorrow Before, afterNext, lastNow, soon, early, lateQuick, quicker, quickest, quickly , fast, faster, fastest, slow, slower, slowest, slowlyOld, older, oldest, new, newer, newestTakes longer, takes less time Hour, o'clock, half past Clock, watch, handsHow long ago?, how long will it be to…?, how long will ittake to…?, how often?Always, never, often, sometimes, usuallyOnce, twiceFirst, second, third, etc. Estimate, close to, about the | Direction JourneyLeft, right, up, down, forwards, backwards, sidewaysAcrossClose, far, nearAlong, throughTo, from, towards, away fromMovement Slide, roll, turn,whole turn, half turn Stretch, bend |  |  | Tell me, describe, pick out, talk about, explain, show meRead, write, record, trace, copy, complete, finish, endFill in, shade, colour, tick, cross, draw, draw a line between, join (up), ring, arrowCostCount, work out, answer, check same number(s)/different number(s)/missing number(s)Number facts, number line, number track, number square, number cardsAbacus, counters, cubes, blocks, rods, die, dice, dominoes, pegs, peg boardSame way, different |

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|  |  |  | same as, just over, just underToo many, too few, not enough, enoughLength, width, height, depthLong, longer, longest, short, shorter shortest, tall, taller, tallest, high, higher, highestLow, wide, narrow, deep, shallow, thick, thinFar, near, closeMetre, ruler, metre stickMoney, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, change, dear(er), costs more, costs less, cheaper, costs the same asHow much?, how many? Total |  |  |  | way, best way, another wayIn order, in a different orderNot all, every, each |

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| **New maths vocabulary for year 2** |
| Number and placevalue | Measure | Geometry (positionand direction) | Geometry (propertiesof shape) | Fractions | Data/statistics | General/problemsolving |
| Numbers to one hundredHundredsPartition, recombineHundred more/less | Quarter past/tom/km, g/kg, ml/lTemperature (degrees) | RotationClockwise, anticlockwiseStraight lineNinety degree turn, right angle | SizeBigger, larger, smallerSymmetrical, line of symmetryFold Match | Three quarters, one third, a thirdEquivalence, equivalent | Count, tally, sort VoteGraph, block graph, pictogram,RepresentGroup, set, list, table | PredictDescribe the pattern, describe the ruleFind, find all, find differentInvestigate |
|  |  |  | Mirror line, reflection |  | Label, title |  |
|  |  |  | Pattern, repeating pattern |  | Most popular, most common, least popular, least common |  |

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| **New maths vocabulary for year 3** |
| Number and place value | Addition and subtraction | Multiplication and division | Measure | Geometry (position anddirection) | Geometry (properties ofshape) | Fractions | Data/statistics |
| Numbers to one thousand | Column addition and subtraction | ProductMultiples of four, eight, fifty and one hundredScale up | Leap yearTwelve- hour/twenty-four- hour clockRoman numerals I to XIII | Greater/less than ninety degreesOrientation (same orientation, different orientation) | Horizontal, vertical, perpendicular and parallel lines | Numerator, denominatorUnit fraction, non- unit fractionCompare and orderTenths | Chart, bar chart, frequency table, Carroll diagram, Venn diagramAxis, axes Diagram |

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| **New maths vocabulary for year 4**  |
| Number and place value | Multiplicationand division | Measure | Geometry (positionand direction) | Geometry (propertiesof shape) | Fractions anddecimals | Data/statistics |
| Tenths, hundredths Decimal (places)Round (to nearest) | Multiplication facts (up to 12x12) | Convert | CoordinatesTranslation | QuadrilateralsTriangles | Equivalent decimals and fractions | Continuous dataLine graph |
| Thousand more/less than | Division facts |  | Quadrant | Right angle, acute and obtuse angles |  |  |
| Negative integers | Inverse |  | x-axis, y-axis |  |  |  |
|  |  |  | Perimeter and area |  |  |  |
| Count through zero | Derive |  |  |  |  |  |
| Roman numerals (I to C) |  |  |  |  |  |  |

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| **New maths vocabulary for year 5** |
| Number and placevalue | Addition andsubtraction | Multiplication anddivision | Measure | Geometry (positionand direction) | Geometry (propertiesof shape) | Fractions, decimals andpercentages |
| Powers of 10 | Efficient written method | Factor pairs | Volume | Reflex angle | Regular and irregular Polygons | Proper fractions, improper fractions, mixed numbers |
|  |  | Composite numbers, prime number, prime factors, squarenumber, cubed number | Imperial units, metric units | Dimensions |  | PercentageHalf, quarter, fifth, two fifths, four fifths |
|  |  |  |  |  |  | Ratio, proportion |
|  |  | Formal written method |  |  |  |  |

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| **New maths vocabulary for year 6** |
| Number and place value | Addition and subtraction | Multiplication and division | Geometry (position anddirection) | Geometry (properties ofshape) | Fractions, decimals and percentages | Algebra | Data/statistics |
| Numbers to ten million | Order of operations | Order of operations | Four quadrants (for coordinates) | Vertically opposite(angles) | Degree of accuracySimplify | Linear number sequence | MeanPie chart |
|  |  | Common factors, common multiples |  | Circumference,radius, diameter |  | SubstituteVariables | Construct |
|  |  |  |  |  |  | Symbol |  |
|  |  |  |  |  |  | Known values |  |