

Maths Vocabulary

This document sets out the vocabulary we should be using throughout school. The list is intended as a guide as to what pupils should know. It is expected that the key vocabulary will be displayed on 'Maths Working Walls' at appropriate times throughout the year. The language needs to be promoted through talk and discussions during maths lessons.

This document starts with the vocabulary that children should be introduced to in the Early Years Foundation Stage. It progresses through KS1 and KS2 to the words that children would be expected to know and be able use in Year 6. The words listed for each year group include all the vocabulary from the previous year/s for reference, with new words for that year highlighted in red from Year 1 onwards.

Maths Vocabulary EYFS

Number and place value

Zero, Number, None

One, two, three to twenty and beyond, teens numbers, eleven, twelve.....twenty

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, few

Odd, even

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, third.....twentieth, last, last but one, before, after, next, between,

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?

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

How much less is..?

One less, two less, ten less..

Difference between

Estimating

Guess, how many ...? estimate, nearly, close to, about the same as
just over, just under, too many, too few, enough, not enough

Multiplication and Division

Sharing, doubling, halving, Number patterns

Fractions

Parts of a whole, half, quarter

Measure

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

Length

Metre

Length, height, width, depth

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

Far, near, close

Weight

Weigh, weighs,, balances

heavy, light, heavier than, lighter than, heaviest, lightest, scales

Capacity and volume

Full, empty, half full, holds, container

Time

Time, days of the week, day, week, birthday, holiday, morning, afternoon, evening, night, bedtime, dinner time, playtime,

Today, yesterday, tomorrow

Before, after, next, 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,

Money

Money, coin, penny, pence, pound

Price, cost, buy, sell, spend, spent, pay

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

2-D shape

Corner, side, rectangle (including square), circle, triangle

3-D shape

Face, edge, vertex, vertices

cube, pyramid, sphere, cone,

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, through, to, from, towards, away from

Movement, slide, roll, turn, stretch, bend

Whole turn, half turn

Statistics

Count, sort, group, set, list,

General

Pattern, puzzle,

What could we try next?

How did you work it out?

Recognise, describe, draw, compare, sort

Maths Vocabulary Year 1

Number and place value

Zero, Number, *numeral*, None

One, two, three to twenty and beyond, teens numbers, eleven, twelve.....twenty, *twenty-one*, *twenty-two* ... *one hundred*

How many...?

Count, count (up) to, count on (from, to), count back (from, to), *forwards*, *backwards*, count in ones, twos, fives, tens, *equal to*, *equivalent*

Is the same as

More, less, *most*, *least*, *many*, *few*

Odd, even, *multiple of*

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, *equal to*

Compare, order, size

First, second, third, third.....twentieth, last, last but one, before, after, next, between, *half-way*
between, *above*, *below*

Addition and subtraction

Add, addition, more, and, make, sum, total, altogether

Double, *near double, half, halve*

One more, two more...ten more

How many more to make...?

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

How much more is?

Take away, *subtract*, 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..

Difference between, *equals, is the same as, number bonds/pairs, missing number*

Estimating

Guess, how many ...? estimate, nearly, *roughly*, close to, about the same as
just over, just under, too many, too few, enough, not enough

Multiplication and Division

Sharing, doubling, halving, *array*, number patterns, *multiplication, multiply, multiplied by*
Multiple, division, dividing, grouping

Fractions

Fraction, equal part, equal grouping, equal, sharing parts of a whole, half, one of two equal parts, quarter, one of four equal parts

Measure

Measure, measurement, size, compare

Guess, estimate

Enough, not enough

Too much, too little, too many, too few, nearly, roughly, close to, about the same as, just over, just under

Length

Centimetre, metre

Length, height, width, depth

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

Far, near, close

Ruler, metre stick

Weight

Kilogram, half kilogram

Weigh, weighs, balances

heavy, light, heavier than, lighter than, heaviest, lightest, scales

Capacity and volume

litre, half litre, capacity, volume

Full, empty, more than, less than, half full, quarter full, holds, container

Time

Time, days of the week, day, week, weekend, month, year, months of the year, date, seasons, birthday, holiday, morning, afternoon, evening, night, bedtime, midnight, dinner time, playtime, Today, yesterday, tomorrow

Before, after, earlier, later, next, first, last, now, soon, early, late, 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, clock, clock face, watch, hands, hour hand, minute hand, hours, minutes

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

Geometry

Properties of shape

Shape, pattern

Flat, curved, straight, round, hollow, solid

Sort, make, build, draw

Size, bigger, larger, smaller

Symmetry, symmetrical, *symmetrical pattern*, pattern, repeating pattern, match

2-D shape

Corner, *point*, *pointed*, side, rectangle (including square), circle, triangle

3-D shape

Face, edge, vertex, vertices

Cube, pyramid, sphere, cone, *cuboid*, *cylinder*

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*, left, right, up, down, forwards, backwards, sideways, across, next to, close, near, far, along, through, to, from, towards, away from

Movement, slide, roll, turn, stretch, bend

Whole turn, half turn, *quarter turn*, *three-quarter turn*

Statistics

Count, sort, group, set, list, *table, note,*

General

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

What could we try next?

How did you work it out?

Explain your thinking

Recognise, describe, draw, compare, sort

Maths Vocabulary Year 2

Number and Place Value

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, tens, *threes and fours*

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

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

Odd and even

One more, ten more, one less, ten 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*

Estimation

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*

Multiplication and Division

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

Division, dividing, *divide, divided by, divided into*
grouping, sharing, *share, share equally, left, left over, 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*

Measures

Measure, measurement, *measuring scale*

Size, compare

Guess, estimate

Enough, not enough

Too much, too little, too many, too few. nearly, close to, about the same as, roughly, just over, just under

Length

Centimetre, metre

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

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

Time

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

Today, yesterday, tomorrow

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

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*

clock, clock face, watch, hands, *digital/analogue clock/watch, timer*, hour hand, minute hand,

hours, minutes, *seconds*

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

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**, **hexagon**, **octagon**

3-D shape

Face, edge, vertex, vertices

cube, cuboid, pyramid, sphere, cone, cylinder

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

Movement, slide, roll, turn, stretch, bend

Whole turn, half turn, quarter turn, three-quarter turn, right angle, straight line

Statistics

Count, tally, sort, note, group, block graph, pictogram, represent, group, set, list, table, label, title, most popular, most common, least popular, least common

General

How did you work it out?

Show how you....

Explain your thinking

Explain your method

Describe the pattern, describe the rule, investigate

Mental calculation, written calculation

Maths Vocabulary Year 3

Number and Place value

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, 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, 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*

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 ...*

Measures

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*, *mile*

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

Maths Vocabulary Year 4

Number and Place value

Number, numeral

Zero, one,

two, three to twenty, and beyond to one hundred, two hundredone 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 (cm²)*

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, note, *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,

Maths Vocabulary Year 5

Number and Place value

Number, numeral

Zero, one,

two, three to twenty, and beyond to one hundred, two hundredone 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, \geq greater than or equal to, \leq less than or equal to

Roman numerals

Integer, positive, negative, above/below zero, minus, negative numbers, formula
divisibility, square number, prime number, ascending/descending order

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, **factor pair**

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, ones boundary, tenths 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, ten 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, *proper/improper fraction*, equivalent fraction, mixed number, numerator, denominator, *equivalent, reduced to, cancel*, 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, *thousandths*, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion, *in every, for every percentage, per cent, %*

Measures

Measure, measurement, measuring scale, division

Size, compare, unit, standard unit, metric unit, *imperial 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 (cm²), square metre (m²), square millimetre (mm²)

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, pint, gallon

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, *discount, currency*

Geometry

Properties of shape

Shape, pattern, flat, line, curved, straight, round, hollow, solid, centre, *radius, diameter*, surface

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

Reflect, reflection, *axis of symmetry, reflective symmetry*

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, *octahedron*

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, *coordinate*

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, *protractor*

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

Statistics

Count, tally, sort, vote, survey, questionnaire, data, *database*, group, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, *bar line chart*, Carroll diagram, Venn diagram, *line graph*, label, title, axis, axes, diagram, most popular, most common, least popular, least common, *maximum/minimum value*, *outcome*

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

Explain your reasoning

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

Maths Vocabulary Year 6

Number and Place value

Number, numeral

Zero, one,

two, three to twenty, and beyond to one hundred, two hundredone 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, \geq greater than or equal to, \leq less than or equal to

Roman numerals

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

Divisibility, square number, prime number, *factorise, prime factor*, ascending/descending order, *digit total*

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, factor pair

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, ones boundary, tenths 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, ten 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, proper/improper fraction, equivalent fraction, mixed number, numerator, denominator, equivalent, reduced to, cancel, 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, thousandths, decimal, decimal fraction, decimal point, decimal place, decimal equivalent, proportion, in every, for every, *ratio*, percentage, per cent, %
Algebra - *Formula, formulae, equation, unknown, variable*

Measures

Measure, measurement, measuring scale, division

Size, compare, unit, standard unit, metric unit, imperial 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, *yard, foot, feet, inch, inches*

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, *circumference*, area, covers, square centimetre (cm²), square metre (m²), square millimetre (mm²)

Ruler, metre stick, tape measure

Weight

Tonne, kilogram, half kilogram, gram, *pound*, *ounce*, 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, *centilitre*, *cubic centimetres (cm³)*, *cubic metres (m³)*, *cubic millimetres (mm³)*, *cubic kilometres (km³)* pint, gallon

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, *Greenwich Mean Time, British Summer Time, International Date Line*

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, discount, currency, *profit, loss*

Geometry

Properties of shape

Shape, pattern

Flat, line, curved, straight, round, hollow, solid, centre, radius, diameter, *circumference, concentric, arc, net, open, closed, surface*

Sort, make, build, construct, draw, sketch, perimeter, angle, right-angled, congruent, *intersecting, intersection, plane* base, square-based

Reflect, reflection, axis of symmetry, reflective symmetry

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, *kite*, 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, octahedron, *dodecahedron*
net, open, closed

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, coordinate

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, protractor

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

Statistics

Count, tally, sort, note, survey, questionnaire, data, database, group, block graph, pictogram, represent, group, set, list, table, chart, bar chart, frequency table, bar line chart, Carroll diagram, Venn diagram, line graph, pie chart, label, title, axis, axes, diagram, most popular, most common, least popular, least common, maximum/minimum value, outcome, mean (mode, median, range as estimates for this), statistics, distribution

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

Explain your reasoning

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

