

Introduction: below are the vocabulary checklists from 'Planning support for the new Mathematics National Curriculum.' The document states: Children should be introduced to appropriate mathematical language in planning and teaching sequences. The following vocabulary checklists for each year group and are referred to as a core list of essential words and phrases but are not intended to be exhaustive. The lists have been extended from those provided by initially by the National Numeracy Strategy to line up with the new National Curriculum 2014.

The checklists have been colour-coded to show how frequently each word occurs in British English (according to the British National Corpus.) The key is:



Broadly, the less frequently a word occurs, the less likely a child is to have encountered it as a result of everyday interaction. Of course, this does not mean they will understand the word in the context of Maths: **face**, for example, is an everyday word that usually means something different in a Maths lesson.

Some of the results are unsurprising. Nobody needs colour coding to know that **octahedron**, for example, is a low-frequency word that pupils are unlikely to know! However, in cases such as:

shape, pattern
flat, curved, straight, round
hollow, solid
corner
point, pointed

it can be useful to be able to anticipate in advance which two words are most likely to prove tricky (and be ready with strategies to explain them.)

Year 1

Numbers and place value

Counting, properties of numbers and number sequences

number
zero, one, two, three... to twenty and beyond
zero, ten, twenty... one hundred
none
how many...?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos... tens...
more, less, many, few,
odd, even
every other
how many times?
pattern, pair

Place value and ordering

units, ones, tens
exchange
digit
'teens' number
the same number as, as many as
equal to
Of **two** objects/amounts:
greater, more, larger, bigger
less, fewer, smaller
Of **three** or more
objects/amounts:
greatest, most, biggest, largest
least, fewest, smallest
one more, ten more
one less, ten less
compare, order
size
first, second, third... tenth,
eleventh... twentieth
last, last but one
before, after, next
between, **half-way** between
above, below

Estimating

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

Number - Fractions

Half, $\frac{1}{2}$
Quarter, $\frac{1}{4}$
Half of a length, quantity,
shape, set of objects
Two equal parts
4 equal parts
Whole

Addition and subtraction

+, add, more, plus
make, sum, total, altogether
score
double, near double
one more, two more... ten more
how many more to make...?
how many more is... than...?
how much more is...?
-, subtract, take (away), minus
leave
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
number bonds
half, halve
equals, sign, is the same as

Making decisions and reasoning

pattern, puzzle
answer
right, wrong
what could we try next?
how did you work it out?
count out, share out, left, left
over
number sentence
sign, operation

Money

Money, coin
penny, pence, pound
price, cost, total
buy, sell
spend, spent
pay, change
dear, costs more
cheap, costs less, cheaper
costs the same as
how much...? how many...?

Measurement

Measures (general)

measure
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

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

Mass

weigh, weighs, balances
heavy/light, heavier/lighter,
heaviest/lightest
balance, scales, weight

Capacity

full
half full
empty
holds
container

Year 1

<p>Time All days of the week All months of the year seasons: spring, summer, autumn, winter day, week, month, year weekend, birthday, holiday morning, afternoon, evening night, midnight bedtime, dinnertime, playtime today, yesterday, tomorrow before, after next, last now, soon, early, late quick, quicker, quickest, quickly fast, faster, fastest slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less time hour, o'clock, half past clock, watch, hands how long ago? how long will it be to...? how long will it take to...? how often? always, never, often, sometimes, usually once, twice</p> <p>Geometry - shape shape, pattern flat, curved, straight, round hollow, solid corner point, pointed face, side, edge, end sort make, build, draw</p> <p>3D Shapes Cube, cuboid pyramid sphere cone cylinder</p> <p>2D Shapes circle triangle square rectangle star</p>	<p>Patterns and symmetry size bigger, larger, smaller symmetrical pattern repeating pattern match</p> <p>Geometry - position position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back before, after beside, next to opposite apart between middle, edge centre corner direction journey left, right up, down forwards, backwards, sideways across close, far, near along through to, from, towards, away from movement slide roll turn, whole turn, half turn stretch, bend</p>	<p>General same number/s different number/s missing number/s number facts number line, number track number square number cards abacus counters, cubes, blocks, rods die, dice dominoes pegs, peg board same way, different way best way, another way in order, in a different order not all, every, each</p>
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YEAR 2

<p>Numbers and the number system Counting, properties of numbers and number sequences number zero, one, two, three... to twenty and beyond zero, ten, twenty... one hundred zero, one hundred, two hundred... one thousand how many...? count, count (up) to count on (from, to) count back (from, to) count in ones, twos, threes, fours, fives, tens more, less, many, few odd, even every other how many times? multiple of sequence continue predict pattern, pair, rule</p> <p>Place Value and ordering units, ones, tens, hundreds digit one-, two- or three-digit number 'teens' number place, place value stands for, represents exchange equal to Of two objects/amounts: <ul style="list-style-type: none"> greater, more, larger, bigger less, fewer, smaller Of three + objects/amounts: <ul style="list-style-type: none"> greatest, most, biggest, largest least, fewest, smallest one more, ten more one less, ten less compare, order first, second, third... tenth... twentieth twenty-first, twenty-second... last, last but one before, after, next between, half-way between</p>	<p>Estimating guess how many, estimate nearly, roughly, close to about the same as just over, just under exact, exactly too many, too few, enough, not enough round, nearest, round to the nearest ten</p> <p>Number - fractions part, equal parts fraction one whole one half, two halves one quarter, two... three... four quarters one third non-unit fraction</p> <p>Calculations Addition and subtraction +, add, addition, more, plus make, sum, total altogether score double, near double one more, two more... ten more... one hundred more how many more to make...? how many more is... than...? how much more is...? -, subtract, subtraction, take (away), minus leave, how many are left/left over? one less, two less... ten less... one hundred less how many fewer is... than...? how much less is...? difference between half, halve =, equals, sign, is the same as tens boundary</p>	<p>Multiplication and division lots of, groups of ×, times, multiply, multiplied by multiple of once, twice, three times... ten times... times as (big, long, wide... and so on) repeated addition array row, column double, halve share, share equally one each, two each, three each... group in pairs, threes... tens equal groups of ÷, divide, divided by, divided into left, left over</p> <p>Making decisions and reasoning pattern, puzzle calculate, calculation mental calculation jotting answer right, correct, wrong what could we try next? how did you work it out? number sentence sign, operation, symbol</p> <p>Money coin penny, pence, pound (£) price, cost buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper how much...? how many...? total</p>
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<p>Measurement</p> <p>Measures (general) measure size compare measuring scale guess, estimate enough, not enough too much, too little too many, too few nearly, roughly, about, close to, about the same as just over, just under temperature thermometer</p> <p>Length length, width, height, depth long, short, tall, high, low wide, narrow, deep, shallow, thick, thin longer, shorter, taller, higher... and so on longest, shortest, tallest, highest... and so on far, further, furthest, near, close metre (m), centimetre (cm) ruler, metre stick, tape measure</p> <p>Mass weigh, weighs, balances heavy/light, heavier/lighter, heaviest/lightest kilogram (kg), half-kilogram, gram (g) balance, scales, weight</p> <p>Capacity capacity full, half full, empty holds, contains litre (l), half-litre, millilitre (ml) Volume</p> <p>Statistics count, tally, sort, vote graph, block graph, pictogram represent group, set, data same, different list, table label, title most popular, most common least popular, least common</p>	<p>Time</p> <p>All days of the week All months of the year All seasons day, week, fortnight, month, year weekend, birthday, holiday morning, afternoon, evening, night, midnight bedtime, dinnertime, playtime today, yesterday, tomorrow before, after next, last now, soon, early, late quick, quicker, quickest, quickly fast, faster, fastest 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...? hour, minute, second o'clock, half past, quarter to, quarter past clock, watch, hands digital/analogue clock/watch, timer how often? always, never, often, sometimes, usually once, twice</p> <p>Geometry - Shape shape, pattern flat, curved, straight round hollow, solid corner point, pointed face, side, edge, end sort make, build, draw surface</p> <p>3D SHAPES cube cuboid pyramid sphere cone cylinder prism</p> <p>2D SHAPES circle, circular triangle, triangular</p>	<p>square rectangle, rectangular star pentagon hexagon octagon</p> <p>Patterns and symmetry</p> <p>size bigger, larger, smaller symmetrical line of symmetry fold match mirror line, reflection pattern repeating pattern</p> <p>Geometry - Position, direction position over, under, underneath above, below top, bottom, side on, in outside, inside around in front, behind front, back before, after beside, next to opposite apart between middle, edge centre corner direction journey, route left, right up, down higher, lower forwards, backwards, sideways across close, far, near along through to, from, towards, away from rotation clockwise, anti-clockwise movement slide roll whole turn, half turn, quarter turn right angle straight line stretch, bend</p>
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General

same, different
missing number/s
number facts
number pairs
number **bonds**
number line, number **track**
number square, hundred square
number cards
partition
commutative
equivalence
number **grid**
abacus
counters, cubes, blocks, rods
die, **dice**
dominoes
pegs, peg board
geo-strips
same way, different way
best way, another way
in order, in a different order
not
all, every, each

YEAR 3

<p>Numbers and Place Value Counting, properties of numbers and number sequences</p> <p>Number, numerals zero, one, two, three... to twenty and beyond zero, ten, twenty... one hundred zero, one hundred, two hundred... one thousand none how many...? count, count (up) to count on (from, to) count back (from, to) count in multiples of ... more, less, many, few odd, even every other how many times? multiple of sequence continue predict, pattern, pair, rule relationship</p> <p>Place value and ordering units, ones, tens, hundreds digit one-, two- or three-digit number 'teens' number place, place value stands for, represents exchange the same number as, as many as equal to Of two objects/amounts: greater, more, larger, bigger less, fewer, smaller Of three or more objects/amounts: greatest, most, biggest, largest least, fewest, smallest one, ten, one hundred more than one, ten, one hundred less than compare, order, size first, second, third... tenth... twentieth twenty-first, twenty-second... last, last but one before, after, next between, half-way between</p>	<p>Estimating guess how many, estimate nearly, roughly, close to approximate, approximately about the same as just over, just under exact, exactly too many, too few, enough, not enough round (up or down) nearest, round to the nearest ten</p> <p>Fractions part, equal parts fraction one whole one half, two halves one quarter, two... three... four quarters one third, two thirds, three thirds one tenth unit, non-unit fraction denominator</p> <p>Calculations Addition and subtraction +, add, addition, more, plus make, sum, total altogether score double, near double one more, two more... ten more... one hundred more how many more to make...? how many more is... than...? how much more is...? -, subtract, subtraction, take (away), minus leave, how many are left/left over? one less, two less... ten less... one hundred less how many fewer is... than...? how much less is...? difference between half, halve =, equals, sign, is the same as tens boundary, hundreds boundary columnar addition and subtraction</p>	<p>Multiplication and division lots of, groups of ×, times, multiply, multiplication, multiplied by multiple of, product once, twice, three times... ten times... times as (big, long, wide... and so on) repeated addition array row, column double, halve share, share equally one each, two each, three each... group in pairs equal groups of divide, division, divided by remainder positive integer scaling problem</p> <p>Making decisions and reasoning pattern, puzzle calculate, calculation mental calculation method jotting answer right, correct, wrong what could we try next? how did you work it out? number sentence sign, operation, symbol, equation</p> <p>Money money coin, note penny, pence, pound (£) price, cost buy, bought, sell, sold spend, spent pay change dear, costs more, more/most expensive cheap, costs less, cheaper, less/least expensive how much...? how many...? total, amount value, worth</p>
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Year 3

Statistics

count, tally, sort, vote
graph, block graph, pictogram
represent
group, set
list, chart, bar chart
table, frequency table
Carroll diagram, Venn diagram
label, title, axis, axes
diagram
most popular, most common
least popular, least common

Measurement

Measures (general)

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

Length

length, width, height, depth
long, short, tall, high, low
wide, narrow, deep, shallow,
thick, thin
longer, shorter, taller, higher...
longest, shortest, tallest,
highest... and so on
far, further, furthest, near, close
distance apart/between,
distance to... from...
kilometre (km), metre (m),
centimetre (cm)
mile
ruler, metre stick, tape measure

Mass

weigh, weighs, balances
heavy/light, heavier/lighter,
heaviest/lightest
kilogram (kg), half-kilogram,
gram (g)
balance, scales, weight

Capacity

capacity
full, half full, empty
holds, contains
litre (l), half-litre, millilitre (ml)
container

Time

All days of the week
All months of the year
All seasons
day, week, fortnight, month,
year, century
weekend, birthday, holiday
calendar, date
morning, afternoon, evening,
night, midnight
am, pm
bedtime, dinnertime, playtime
today, yesterday, tomorrow
before, after
next, last
now, soon, early, late, earliest,
latest
quick, quicker, quickest, quickly
fast, faster, fastest
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...?
hour, minute, second
o'clock, half past, quarter to,
quarter past
clock, watch, hands
digital/analogue clock/watch,
timer
how often?
always, never, often,
sometimes, usually
once, twice

Patterns and symmetry

size
bigger, larger, smaller
symmetrical
line of symmetry
fold, match
mirror line, reflection
pattern
repeating pattern

Geometry - Position

position
over, under, underneath
above, below
top, bottom, side
on, in
outside, inside, around
in front, behind
front, back
before, after
beside, next to
opposite, apart, between

middle, edge
centre, corner
direction
journey, route, map, plan
left, right, up, down
higher, lower
forwards, backwards, sideways
across
close, far, near
along, through
to, from, towards, away from
ascend, descend
grid, row, column
clockwise, anti-clockwise
compass point
north, south, east, west
horizontal, vertical, diagonal
movement
slide, roll
whole turn, half turn, quarter
turn
angle, ...is a greater/smaller
angle than
right angle
straight line
stretch, bend

Geometry – shape

shape, pattern
flat, curved, straight
round
hollow, solid
point, pointed
face, side, edge, end
sort
make, build, draw
surface
right-angled
vertex, vertices
layer, diagram

3D shapes

Cube, cuboid
pyramid
sphere, hemi-sphere
cone
cylinder
prism

2D shapes

circle, circular, semi-circle
triangle, triangular
square
rectangle, rectangular
star
pentagon, pentagonal
hexagon, hexagonal
octagon, octagonal
quadrilateral

Year 3

General

same, different
missing number/s
number facts, number pairs,
number **bonds**
greatest value, least value
number line, number **track**
number square, hundred square
number cards
number **grid**
abacus
counters, cubes, blocks, rods
die, **dice**
dominoes
pegs, peg board
geo-strips
same way, different way
best way, another way
in order, in a different order
not
all, every, each

YEAR 4

<p>Numbers and place value Place value, ordering and rounding units, ones, tens, hundreds, thousands, ten thousand, hundred thousand, million digit, one-, two-, three- or four- digit number numeral 'teens' number place, place value stands for, represents equal to exchange the same number as, as many as Of two objects/amounts: >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than Of three or more objects/amounts: greatest, most, largest, biggest least, fewest, smallest one... ten... one hundred... one thousand more/less compare, order, size first... tenth... twentieth last, last but one before, after, next between, half-way between guess how many, estimate nearly, roughly, close to, about the same as approximate, approximately just over, just under exact, exactly too many, too few, enough, not enough round (up or down), nearest round to the nearest ten round to the nearest hundred integer, positive, negative above/below zero, minus Roman numerals to 100</p> <p>Properties of numbers and number sequences number, count, how many...? odd, even how many times? multiple of digit next, consecutive</p>	<p>sequence continue predict pattern, pair, rule relationship sort, classify, property</p> <p>Number - Fractions and decimals part, equal parts fraction denominator numerator unit, non-unit fraction one whole half, quarter, eighth ones, tenth, hundredth third, sixth fifth, tenth, twentieth proportion, in every, for every decimal, decimal fraction decimal equivalent decimal point, decimal place</p> <p>Calculations Addition and subtraction add, addition, more, plus, increase sum, total, altogether score double, near double how many more to make...? subtract, subtraction, take (away), minus, decrease leave, how many are left/left over? difference between half, halve how many more/fewer is... than...? how much more/less is...? equals, sign, is the same as tens boundary, hundreds boundary inverse columnar addition and subtraction</p>	<p>Multiplication and division lots of, groups of times, multiply, multiplication, multiplied by multiple of, product once, twice, three times... ten times... times as (big, long, wide... and so on) repeated addition array row, column double, halve share, share equally one each, two each, three each... group in pairs, threes... tens equal groups of divide, division, divided by, divided into remainder factor, quotient, divisible by inverse scaling</p>
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Year 4

<p>Making decisions and reasoning pattern, puzzle calculate, calculation mental calculation method jotting answer right, correct, wrong what could we try next? how did you work it out? number sentence sign, operation, symbol, equation</p> <p>Money money coin, note penny, pence, pound (£) price, cost buy, bought, sell, sold spend, spent pay change dear, costs more, more/most expensive cheap, costs less, cheaper, less/least expensive how much...? how many...? total, amount value, worth</p> <p>Statistics count, tally, sort, vote survey, questionnaire, data graph, block graph, pictogram represent group, set list, chart, bar chart, tally chart table, frequency table Carroll diagram, Venn diagram label, title, axis, axes diagram most popular, most common least popular, least common</p>	<p>Measurement Measures (general) measure, measurement size compare unit, standard unit metric unit, imperial unit measuring scale, division guess, estimate enough, not enough too much, too little too many, too few nearly, roughly, about, close to about the same as, approximately just over, just under</p> <p>Length length, width, height, depth, breadth long, short, tall, high, low wide, narrow, deep, shallow, thick, thin longer, shorter, taller, higher... and so on longest, shortest, tallest, highest... and so on far, further, furthest, near, close distance apart/between, distance to... from... edge, perimeter kilometre (km), metre (m) centimetre (cm), millimetre (mm) mile ruler, metre stick, tape measure</p> <p>Mass mass: big, bigger, small, smaller, balances weight: heavy/light, heavier/lighter, heaviest/lightest weigh, weighs kilogram (kg), half-kilogram, gram (g) balance, scales</p> <p>Capacity capacity full, half full empty holds, contains litre (l), half-litre, millilitre (ml) pint container, measuring cylinder</p>	<p>Area area, covers, surface square centimetre (cm²) perimeter rectilinear</p> <p>Time time days of the week: Monday, Tuesday... months of the year: January, February... seasons: spring, summer, autumn, winter day, week, fortnight, month year, leap year, century, millennium weekend, birthday, holiday calendar, date, date of birth morning, afternoon, evening, night am, pm, noon, midnight today, yesterday, tomorrow before, after, next, last now, soon, early, late, earliest, latest quick, quicker, quickest, quickly fast, faster, fastest, 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...? timetable, arrive, depart hour, minute, second o'clock, half past, quarter to, quarter past clock, watch, hands digital/analogue clock/watch, timer how often? always, never, often, sometimes, usually Roman numerals</p>
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Year 4

<p>Geometry – Shape shape, pattern flat, line curved, straight, round point, pointed face, side, edge, surface sort make, build, construct, draw, sketch centre, radius, diameter net angle, right-angled base, square-based vertex, vertices layer, diagram regular, irregular concave, convex open, closed geometric shapes acute, obtuse regular, irregular polygon</p> <p>3D Shapes 3D, three-dimensional Cube, cuboid pyramid sphere, hemi-sphere, spherical cone cylinder, cylindrical prism tetrahedron, polyhedron</p> <p>2D Shapes 2D, two-dimensional circle, circular, semi-circle triangle, triangular equilateral triangle, isosceles triangle square rectangle, rectangular, oblong pentagon, pentagonal hexagon, hexagonal heptagon octagon, octagonal polygon quadrilateral parrallogram rhombus trapezium</p> <p>Patterns and symmetry bigger, larger, smaller symmetrical line of symmetry, line symmetry fold, match mirror line, reflection, reflect pattern, repeating pattern, translation</p>	<p>Geometry - position over, under, underneath above, below, top, bottom, side on, in, outside, inside, around in front, behind, front, back before, after, beside, next to opposite, apart between, middle, edge, centre corner direction journey, route, map, plan left, right up, down, higher, lower forwards, backwards, sideways, across close, far, near along, through, to, from, towards, away from ascend, descend grid row, column origin, coordinates 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 movement slide, roll whole turn, half turn, quarter turn, rotate angle, ...is a greater/smaller angle than right angle degree straight line stretch, bend ruler, set square angle measurer, compasses quadrant</p>	<p>General same, different missing number/s number facts, number pairs, number bonds greatest value, least value number line, number track number square, hundred square number cards, number grid abacus counters, cubes, blocks, rods die, dice dominoes pegs, peg board, pin board geo-strips same way, different way best way, another way in order, in a different order not all, every, each</p>
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YEAR 5

<p>Numbers and place value</p> <p>Place value ordering and rounding</p> <p>units, ones, tens, hundreds, thousands</p> <p>ten thousand, hundred thousand, million</p> <p>digit, one-, two-, three- or four-digit number</p> <p>numeral</p> <p>'teens' number</p> <p>place, place value</p> <p>stands for, represents</p> <p>exchange</p> <p>the same number as, as many as</p> <p>equal to</p> <p>Of two objects/amounts:</p> <p>>, greater than, more than, larger than, bigger than</p> <p><, less than, fewer than, smaller than</p> <p>≥, greater than or equal to</p> <p>=", less than or equal to</p> <p>Of three or more objects/amounts:</p> <p>greatest, most, largest, biggest</p> <p>least, fewest, smallest</p> <p>one... ten... one hundred... one thousand more/less</p> <p>compare, order, size</p> <p>ascending/descending order</p> <p>first... tenth... twentieth</p> <p>last, last but one</p> <p>before, after, next</p> <p>between, half-way between</p> <p>guess how many, estimate</p> <p>nearly, roughly, close to, about the same as</p> <p>approximate, approximately</p> <p>⊕, is approximately equal to</p> <p>just over, just under</p> <p>exact, exactly</p> <p>too many, too few, enough, not enough</p> <p>round (up or down), nearest</p> <p>round to the nearest</p> <p>ten/hundred</p> <p>round to the nearest thousand</p> <p>integer, positive, negative</p> <p>above/below zero, minus</p> <p>Roman numerals to 1000(m)</p>	<p>Properties of numbers and number sequences</p> <p>number, count, how many...?</p> <p>odd, even</p> <p>every other</p> <p>how many times?</p> <p>multiple of</p> <p>digit</p> <p>next, consecutive</p> <p>sequence</p> <p>continue</p> <p>predict</p> <p>pattern, pair, rule</p> <p>relationship</p> <p>sort, classify, property</p> <p>formula</p> <p>divisible (by), divisibility, factor</p> <p>square number</p> <p>one squared, two squared... (1², 2²...)</p> <p>Number – Fractions, decimals, percentages, ratio and proportion</p> <p>part, equal parts</p> <p>fraction, proper/improper</p> <p>fraction</p> <p>mixed number</p> <p>numerator, denominator</p> <p>equivalent, reduced to, cancel</p> <p>one whole</p> <p>half, quarter, eighth</p> <p>third, sixth, ninth, twelfth</p> <p>fifth, tenth, twentieth, hundredth</p> <p>proportion, ratio</p> <p>in every, for every</p> <p>to every, as many as</p> <p>decimal, decimal fraction</p> <p>decimal point, decimal place</p> <p>percentage, per cent, %</p> <p>Calculations</p> <p>Addition and subtraction</p> <p>add, addition, more, plus, increase</p> <p>sum, total, altogether</p> <p>score</p> <p>double, near double</p> <p>how many more to make...?</p> <p>subtract, subtraction, take (away), minus, decrease</p> <p>leave, how many are left/left over?</p> <p>difference between</p> <p>half, halve</p> <p>how many more/fewer is...</p>	<p>how much more/less is...?</p> <p>equals, sign, is the same as</p> <p>tens boundary, hundreds boundary</p> <p>units boundary, tenths boundary</p> <p>inverse</p> <p>columnar addition, subtraction</p> <p>Multiplication and division</p> <p>lots of, groups of</p> <p>times, multiply, multiplication, multiplied by</p> <p>multiple of, product</p> <p>once, twice, three times... ten times...</p> <p>times as (big, long, wide... and so on)</p> <p>repeated addition</p> <p>array</p> <p>row, column</p> <p>double, halve</p> <p>share, share equally</p> <p>one each, two each, three each...</p> <p>group in pairs, threes... tens</p> <p>equal groups of</p> <p>divide, division, divided by, divided into</p> <p>remainder</p> <p>factor, quotient, divisible by</p> <p>inverse</p> <p>prime number</p> <p>prime factor</p> <p>composite number</p> <p>square number</p> <p>cubed number</p> <p>Making decisions and reasoning</p> <p>pattern, puzzle</p> <p>calculate, calculation</p> <p>mental calculation</p> <p>method, strategy</p> <p>jotting</p> <p>answer</p> <p>right, correct, wrong</p> <p>what could we try next?</p> <p>how did you work it out?</p> <p>number sentence</p> <p>sign, operation, symbol, equation</p>
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Year 5

<p>Money money coin, note penny, pence, pound (£) price, cost buy, bought, sell, sold spend, spent pay change dear, costs more, more/most expensive cheap, costs less, cheaper, less/least expensive how much...? how many...? total, amount, value, worth discount currency</p> <p>STATISTICS count, tally, sort, vote survey, questionnaire data, database graph, block graph, line graph pictogram, represent group, set list, chart, bar chart, bar line chart tally chart table, frequency table Carroll diagram, Venn diagram label, title, axis, axes diagram most popular, most common least popular, least common mode, range maximum/minimum value classify, outcome</p> <p>Measurement Measure (general) measure, measurement size compare unit, standard unit metric unit, imperial unit measuring scale, division guess, estimate enough, not enough too much, too little too many, too few nearly, roughly, about, close to about the same as, approximately just over, just under</p>	<p>Length length, width, height, depth, breadth long, short, tall, high, low wide, narrow, deep, shallow, thick, thin longer, shorter, taller, higher... and so on longest, shortest, tallest, highest... and so on far, further, furthest, near, close distance apart/between, distance to... from... edge, perimeter kilometre (km), metre (m) centimetre (cm), millimetre (mm) inches, mile ruler, metre stick, tape measure</p> <p>Mass mass: big, bigger, small, smaller, balances weight: heavy/light, heavier/lighter, heaviest/lightest weigh, weighs kilogram (kg), half-kilogram, gram (g) balance, scales</p> <p>Capacity full, half full, empty holds, contains litre (l), half-litre, millilitre (ml) pint, gallon container, measuring cylinder</p> <p>Area area, covers, surface square centimetre (cm²), square metre (m²) square millimetre (mm²)</p> <p>Time days of the week: Monday, Tuesday... months of the year: January, February... seasons: spring, summer, autumn, winter day, week, fortnight, month year, leap year, century, millennium weekend, birthday, holiday calendar, date, date of birth morning, afternoon, evening, night am, pm, noon, midnight</p>	<p>today, yesterday, tomorrow before, after, next, last now, soon, early, late, earliest, latest quick, quicker, quickest, quickly fast, faster, fastest, slow, slower, slowest, slowly takes longer, takes less time how long ago? how long will it be to...? how long will it take to...? timetable, arrive, depart hour, minute, second o'clock, half past, quarter to, quarter past clock, watch, hands digital/analogue clock/watch, timer 24-hour clock, 12-hour clock how often? always, never, often, sometimes, usually</p> <p>Geometry Shape shape, pattern flat, line, curved, straight round hollow, solid corner point, pointed face, side, edge, end sort make, build, construct, draw, sketch centre, radius, diameter net surface angle, right-angled congruent base, square-based vertex, vertices layer, diagram regular, irregular concave, convex open, closed degree</p> <p>3D Shapes 3D, three-dimensional cube, cuboid pyramid sphere, hemi-sphere, spherical cone cylinder, cylindrical prism tetrahedron, polyhedron, octahedron</p>
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Year 5

<p>2D Shapes 2D, two-dimensional circle, circular, semi-circle triangle, triangular equilateral triangle, isosceles triangle, scalene triangle square rectangle, rectangular, oblong pentagon, pentagonal hexagon, hexagonal heptagon octagon, octagonal polygon quadrilateral</p> <p>Patterns and symmetry bigger, larger, smaller symmetrical line of symmetry, axis of symmetry line, reflective symmetry fold, match mirror line, reflection, reflect pattern, repeating pattern, translation</p> <p>Geometry - position</p> <p>over, under, underneath above, below, top, bottom, side on, in, outside, inside, around in front, behind, front, back before, after, beside, next to opposite, apart between, middle, edge, centre direction journey, route, map, plan left, right up, down, higher, lower forwards, backwards, sideways, across close, far, near along, through, to, from, towards, away from ascend, descend grid, row, column origin, coordinates 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 parallel, perpendicular x-axis, y-axis quadrant</p>	<p>movement slide, roll whole, half quarter turn rotate, rotation reflection angle, ...is a greater/smaller right angle, acute, obtuse degree straight line ruler, set square angle measurer, compasses, protractor</p> <p>General same, different missing number/s number facts, number pairs, number bonds greatest value, least value number line, number track number square, hundred square number cards, number grid abacus counters, cubes, blocks, rods die, dice, spinner dominoes pegs, peg board, pin board geo-strips same way, different way best way, another way in order, in a different order not all, every, each</p>	
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YEAR 6

<p>Numbers and place value</p> <p>Place value, ordering and rounding</p> <p>units, ones, tens, hundreds, thousands ten thousand, hundred thousand, million digit, one-, two-, three- or four-digit number numeral 'teens' number place, place value stands for, represents exchange equal to Of two objects/amounts: >, greater than, more than, larger than, bigger than <, less than, fewer than, smaller than ≥, greater than or equal to ≤, less than or equal to Of three or more objects/amounts: greatest, most, largest, biggest least, fewest, smallest one... ten... one hundred... one thousand more/less compare, order, size ascending/descending order first... tenth... twentieth last, last but one before, after, next between, half-way between guess how many, estimate close to, about the same as approximate, approximately is approximately equal to just over, just under exact, exactly too many, too few, enough, not enough round (up or down), nearest round to the nearest ten/hundred/thousand integer, positive, negative above/below zero, minus</p> <p>Properties of numbers and number sequences</p> <p>number, count, how many...? odd, even every other how many times? multiple of digit</p>	<p>next, consecutive sequence continue predict pattern, pair, rule relationship sort, classify, property formula divisible (by), divisibility, factor, factorise square number one squared, two squared... (1², 2²...) prime, prime factor</p> <p>Number – Fractions, decimals, percentages, ratio and proportion</p> <p>part, equal parts fraction, proper/improper fraction mixed number numerator, denominator equivalent, reduced to, cancel one whole half, quarter, eighth third, sixth, ninth, twelfth fifth, tenth, twentieth hundredth, thousandth proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place percentage, per cent, % integer scale factor pie charts</p> <p>Calculations</p> <p>Addition and subtraction</p> <p>add, addition, more, plus, increase sum, total, altogether double, near double how many more to make...? subtract, subtraction, take (away), minus, decrease leave, how many are left/left over? difference between half, halve how many more/fewer is... than...? how much more/less is...? equals, sign, is the same as tens boundary, hundreds</p>	<p>boundary units boundary, tenths boundary inverse columnar addition and subtraction</p> <p>Multiplication and division</p> <p>lots of, groups of times, multiply, multiplication, multiplied by long multiplication multiple of, product once, twice, ten times... times as (big, long, wide... repeated addition array, row, column double, halve share, share equally one each, two each.. group in pairs, threes... tens equal groups of divide, division, divided by, divided into long division remainder factor, quotient, divisible by inverse factor</p> <p>Solving Problems</p> <p>pattern, puzzle calculate, calculation mental calculation method, strategy jotting, answer right, correct, wrong what could we try next? how did you work it out? number sentence sign, operation, symbol, equation</p> <p>Money</p> <p>Money, coin, note penny, pence, pound (£) price, cost buy, bought, sell, sold spend, spent pay, change dear, costs more, more/most expensive cheap, costs less, cheaper, less/least expensive how much...? how many...? total, amount, value, worth discount, profit, loss currency</p>
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Year 6

Statistics

count, tally, sort, vote
survey, questionnaire
data, database
graph, block graph, line graph
pictogram,
represent, group, set
list, chart, bar chart, bar line
tally chart
table, frequency table
Carroll diagram, Venn diagram
label, title, axis, axes
diagram
most popular, most common
least popular, least common
mode, range, mean, average,
median
statistics, distribution
maximum/minimum value
classify, outcome

Measurement (General)

measure, measurement
size
compare
unit, standard unit
metric unit, imperial unit
measuring scale, division
guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, roughly, about, close to
about the same as,
approximately
just over, just under

Length

length, width, height, depth,
breadth
long, short, tall, high, low
wide, narrow, deep, shallow,
thick, thin
longer, shorter, taller, higher...
longest, shortest, tallest,
highest...
far, further, furthest, near, close
distance apart/between,
distance to... from...
edge, perimeter, circumference
kilometre (km), metre (m)
centimetre (cm), millimetre (mm)
mile, yard, feet, foot, inch
ruler, metre stick, tape
measure, compasses
cubic mm, cm, m, Km,

Mass

mass: big, bigger, small,
smaller, balances
weight: heavy/light,
heavier/lighter, heaviest/lightest
weigh, weighs
tonne, kilogram (kg), half-
kilogram, gram (g)
pound (lb), ounce (oz)
balance, scales

Capacity

full, half full, empty
holds, contains
litre (l), half-litre, centilitre (cl),
millilitre (ml)
pint, gallon
container, measuring cylinder

Area

area, covers, surface
square centimetre (cm²), square
metre (m²)
square millimetre (mm²)
perimeter

Time

All days of the week
All months of the year
All seasons
day, week, fortnight, month
year, leap year, century,
millennium
weekend, birthday, holiday
calendar, date, date of birth
morning, afternoon, evening,
night
am, pm, noon, midnight
today, yesterday, tomorrow
before, after, next, last
now, soon, early, late, earliest,
latest
quick, quicker, quickest, quickly
fast, faster, fastest, slow,
slower, slowest, slowly
old, older, oldest, new, newer,
newest
takes longer, takes less time
how long ago?
how long until?
timetable, arrive, depart
hour, minute, second
o'clock, half past, quarter to,
quarter past
clock, watch, hands
digital/analogue clock/watch
24-hour clock, 12-hour clock
Greenwich Mean Time, British
Summer Time

Geometry - shape

shape, pattern
flat, line
curved, straight
round
hollow, solid
point, pointed
face, side, edge, end
make, build, construct, draw,
sketch, sort
centre, radius, diameter
circumference, concentric, arc
net
surface
, right-angled
congruent
intersecting, intersection
plane
base, square-based
vertex, vertices
layer, diagram
regular, irregular
concave, convex
open, closed
tangram
geometric

3D Shapes

3D, three-dimensional
cube, cuboid
pyramid
sphere, hemi-sphere, spherical
cone
cylinder, cylindrical
prism
tetrahedron, polyhedron,
octahedron, dodecahedron

2D Shapes

2D, two-dimensional
circle, circular, semi-circle
triangle, triangular
equilateral triangle, isosceles
triangle, scalene triangle
square, rhombus
rectangle, rectangular, oblong
pentagon, pentagonal
hexagon, hexagonal
heptagon
octagon, octagonal
polygon
quadrilateral
kite
parallelogram, trapezium

Year 6

<p>Patterns and symmetry size bigger, larger, smaller symmetrical line of symmetry, axis of symmetry line symmetry, reflective symmetry, fold match mirror line, reflection, reflect pattern, repeating pattern, translation</p> <p>Geometry - position over, under, underneath above, below, top, bottom, side on, in, outside, inside, around in front, behind, front, back before, after, beside, next to opposite, apart between, middle, edge, centre direction journey, route, map, plan left, right up, down, higher, lower forwards, backwards, sideways, across close, far, near along, through, to, from, towards, away from ascend, descend grid, row, column origin, coordinates 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 parallel, perpendicular x-axis, y-axis quadrant movement slide, roll whole turn, half turn, quarter turn, rotate, rotation angle, ...is a greater/smaller right angle, acute, obtuse, reflex degree straight line ruler, set square angle measurer, compasses, protractor</p>	<p>General same, identical, different missing number/s number facts, number pairs, number bonds greatest value, least value number line, number track number square, hundred square number cards, number grid abacus counters, cubes, blocks, rods die, dice, spinner dominoes pegs, peg board, pin board geo-strips same way, different way best way, another way in order, in a different order not all, every, each</p>	
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