



Year 4

NUMBER	Place Value
<p>Number and Place Value</p> <p>Number</p> <p>number numeral zero one, two, three... twenty teens numbers, eleven, twelvetwenty twenty-one, twenty-two..... one hundred, two hundred... one thousand... ten thousand, hundred thousand, million none how many..? count, count (up) to, count on (from, to), count back (from, to) forwards backwards count in ones, twos, fives, tens, threes, fours, eights, fifties, sixes, sevens, nines, twenty- fives and so on to hundreds thousands equal to equivalent to is the same as more, less most, least tally many odd, even multiple of, factor of sequence continue predict few pattern pair, rule relationship next, consecutive >greater than <less than Roman numerals integer, positive, negative above/ below zero, minus negative numbers</p>	<p>ones tens, hundreds digit, one-, two-, or three- digit number place, place value stands for, represents exchange 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 hundred more, one thousand more one less, ten less, one hundred, one thousand less equal to compare, order, size first, second, third... twentieth twenty-first, twenty-second ... last, last but one before, after next between, half-way between above, below</p> <p>Estimating</p> <p>guess how many estimate nearly, roughly, close to, about the same as approximate, approximately about the same as just over, just under exact, exactly too many, too few enough, not enough round, nearest, round to the nearest ten, hundred, thousand round up, round down</p>



Addition and subtraction

addition, add, more, and, plus
 make, sum, total, altogether
 double, near double
 half, halve
 one more, two more... ten more.. on hundred
 more
 how many more to make...?
 how many more is .. than..?
 how much more is..?
 subtract, subtraction, take away, minus
 how many are left/left over?
 how many have gone?
 one less, two less, ten less... one hundred
 less
 how many fewer is... than...?
 how much less is...?
 difference between
 equals, is the same as
 number bonds/pairs/facts
 missing number
 tens boundary, hundreds boundary
 inverse

Multiplication and division

Multiplication, multiply, multiplied by
 multiple, factor
 groups of, times, product
 once, twice, three times... ten times
 repeated addition
 division, divide, division, divided by, divided
 into
 left, left over, remainder
 grouping
 sharing, share, share equally
 one each, two each, three each...ten each
 group in pairs, threes... tens
 equal groups of
 doubling, halving
 array
 row, column
 number patterns
 multiplication table
 multiplication fact, division fact
 inverse
 square, squared
 cube, cubed
 quotient

Fractions and decimals

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



MEASUREMENT

Measures (general)

measure, measurement
 size, compare
 unit, standard unit
 metric 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

kilometre (km), metre (m), centimetre (cm),
 millimetre (mm), mile
 length, width, height, depth, **breadth**
 long, short, tall, high, low
 wide, narrow, thick, thin
 longer, shorter, taller, higher... and so on
 longest, shortest, tallest, highest... and so on
 far, further, furthest, near, close
 distance apart... between... to... from
edge, perimeter
 area, covers
 square centimetre (cm²)
 ruler, metre stick, tape measure

Mass

mass: big, bigger, small, smaller
weight: heavy/light, heavier/lighter,
heaviest/lightest
 weigh, weighs, balances
 kilogram (kg), half-kilogram, gram (g)
 heavy, light
 heavier than, lighter than
 heaviest, lightest
 scales

Capacity and Volume

litre (l), half-litre, millilitre (ml)
 capacity
 volume
 full, half full
 empty
 more than
 less than
 quarter full
 holds, contains
 container, **measuring cylinder**

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

Temperature

temperature
 degree
 centigrade



Time	GEOMETRY
<p>time</p> <p><i>days of the week:</i> Monday, Tuesday...</p> <p><i>months of the year:</i> January, February...</p> <p><i>seasons:</i> spring, summer, autumn, winter</p> <p>day, week, weekend, fortnight, month</p> <p>year, leap year, century, millennium</p> <p>birthday, holiday</p> <p>morning, afternoon, evening, night</p> <p>bedtime, dinner time, playtime</p> <p>today, yesterday, tomorrow</p> <p>before, after</p> <p>earlier, later</p> <p>next, first, last</p> <p>noon, midnight</p> <p>calendar, date, date of birth</p> <p>now, soon, early, late, earliest, latest</p> <p>quick, quicker, quickest, quickly</p> <p>slow, slower, slowest, slowly</p> <p>old, older, oldest, new, newer, newest</p> <p>takes longer, takes less time</p> <p>how long ago?</p> <p>how long will it be to...?</p> <p>how long will it take to...?</p> <p>always, never, often, sometimes, usually</p> <p>once, twice</p> <p>hour, o'clock, half past, quarter past</p> <p>quarter to</p> <p>5, 10, 15...minutes past</p> <p>a.m, p.m</p> <p>clock, clock face, watch, hands</p> <p>digital/analogue, clock/watch, timer</p> <p>hour hand, minute hand</p> <p>hours, minutes, seconds</p> <p>timetable, arrive, depart</p> <p>Roman numerals</p> <p>12-hour clock time, 24-hour clock time</p>	<p>Properties of shape</p> <p>shape, pattern</p> <p>flat, line</p> <p>curved, straight</p> <p>round</p> <p>hollow, solid</p> <p>sort</p> <p>make, build, construct, draw, sketch</p> <p>perimeter</p> <p>centre</p> <p>angle, right-angled</p> <p>base, square-based</p> <p>size</p> <p>bigger, larger, smaller</p> <p>symmetry, symmetrical, symmetrical pattern</p> <p>line symmetry</p> <p>reflect, reflection</p> <p>pattern, repeating pattern</p> <p>match</p> <p>regular, irregular</p> <p>2D shape</p> <p>2D, two-dimensional</p> <p>corner, side</p> <p>Point, pointed</p> <p>rectangle, rectangular, oblong</p> <p>rectilinear</p> <p>square</p> <p>circle, circular</p> <p>triangle, triangular</p> <p>equilateral triangle, isosceles triangle, scalene triangle</p> <p>pentagon, pentagonal</p> <p>hexagon, hexagonal</p> <p>heptagon</p> <p>octagon, octagonal</p> <p>quadrilateral</p> <p>parallelogram, rhombus, trapezium</p> <p>polygon</p> <p>right-angled</p> <p>parallel, perpendicular</p>



3D shape

3D, three-dimensional

face, edge, vertex, vertices

cube, cuboid

pyramid

sphere, hemisphere, **spherical**

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, far, near

along, through, to, from, towards, away from

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

translate, translation

movement

slide, roll, turn, stretch, bend

whole turn, half turn, quarter turn, three-

quarter turn

rotate, rotation

angle, is a greater/smaller angle than

degree

right angle

acute angle

obtuse angle

reflection

straight line

ruler, set square

angle measurer, compass

STATISTICS

count, tally, sort, vote

survey, questionnaire, data

graph, 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

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

recognise

describe

draw

compare

sort

greatest value, least value

mental calculation

written calculation

statement

justify

make a statement