

# YEAR 5

## NUMBER

### Number and place value

#### Number

- number
- numeral
- zero
- one, two, three ... twenty
- teens numbers, eleven, twelve ... twenty
- 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, fiftes, 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
- factor pair**
- sequence
- continue
- predict
- few
- pattern
- pair, rule
- relationship

next, consecutive

> greater than

< less than

≥ greater than or equal to

≤ 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

#### Place value

- 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 less, one thousand less
- equal to
- compare
- order
- size
- first, second, third ... twentieth
- twenty-first, twenty-second ...
- last, last but one

before, after

next

between

halfway between

above, below

#### 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, nearest, round to the nearest ten, hundred, thousand, **ten thousand**

round up, round down

#### 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?

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, **ones boundary, tenths boundary**

inverse

#### 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

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

## YEAR 5

inverse  
square, squared  
cube, cubed

## Fractions (including decimals and percentages)

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, %**

## MEASUREMENT

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, 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 ... 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 (cm<sup>2</sup>), **square metre (m<sup>2</sup>),**  
**square millimetre (mm<sup>2</sup>)**  
ruler  
metre stick, tape measure

## Weight

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

## Capacity and volume

litre, half litre, millilitre  
capacity

volume  
full

empty  
more than  
less than  
half full  
quarter full  
holds, contains  
container, measuring cylinder  
**pint, gallon**

## Temperature

temperature  
degree  
centigrade

## Time

time  
days of the week, Monday, Tuesday ...  
months of the year (January, February ...)  
seasons: spring, summer, autumn, winter  
day, week, weekend, fortnight, month, year,  
leap year, century, millennium  
birthday, holiday  
morning, afternoon, evening, night  
bedtime, dinner time, playtime  
today, yesterday, tomorrow  
before, after  
earlier, later  
next, first, last  
noon, midnight  
calendar, date, date of birth  
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?

## Y E A R S

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

fat, line  
 curved, straight  
 round  
 hollow, solid  
 sort  
 make, build, construct, draw, sketch  
 perimeter  
 centre, **radius**, **diameter**  
 surface  
 angle, right-angled  
**congruent**  
 base, square-based  
 size  
 bigger, larger, smaller  
 symmetry, symmetrical, symmetrical pattern  
 line symmetry  
 reflect, reflection  
**axis of symmetry**, **reflective symmetry**  
 pattern, repeating pattern  
 match  
 regular, irregular

3-D **shape**  
 3-D, three-dimensional  
 face, edge, vertex, vertices  
 cube, cuboid  
 pyramid  
 sphere, hemisphere, spherical  
 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, away from  
 clockwise, anticlockwise  
 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  
 angle, is a greater/smaller angle than  
 degree  
 right angle  
 acute angle  
 obtuse angle  
 reflection  
 straight line  
 ruler, set square  
 angle measurer, compass, **protractor**

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  
 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  
**explain your reasoning**



**STATISTICS**

count, tally, sort, vote  
 survey, questionnaire, data, **database**  
 graph, block graph, pictogram  
 represent  
 group, set