

Mathematical Vocabulary Checklists

YEAR 5

Numbers and the number system

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
exchange
the same number as, as many as
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
nearly, roughly, 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
round to the nearest thousand
integer
positive, negative
above/below zero, minus

PROPERTIES OF NUMBERS AND NUMBER SEQUENCES

number, count, how many...?
odd, even
every other
how many times?
multiple of
digit
next, consecutive
sequence
continue
predict

pattern, pair, rule
relationship
sort, classify, property
formula
divisible (by), divisibility, factor
square number
one squared, two squared... ($1^2, 2^2 \dots$)

FRACTIONS, DECIMALS, PERCENTAGES, RATIO AND PROPORTION

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
proportion, ratio
in every, for every
to every, as many as
decimal, decimal fraction
decimal point, decimal place
percentage, per cent, %

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
units boundary, tenths boundary
inverse

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

USING A CALCULATOR

calculator
 display, key, enter, clear
 constant

Solving problems

MAKING DECISIONS AND REASONING

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

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

Handling data

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

PROBABILITY

fair, unfair
 likely, unlikely, likelihood
 certain, uncertain
 probable, possible, impossible
 chance, good chance
 poor chance, no chance
 risk, doubt

Measures, shape and space

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

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

MASS

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

CAPACITY

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

AREA

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

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
24-hour clock, 12-hour clock
how often?
always, never, often, sometimes, usually

SHAPE AND SPACE

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

3D SHAPES

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

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

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

POSITION, DIRECTION AND MOVEMENT

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
 parallel, perpendicular
 x-axis, y-axis
 quadrant
 movement
 slide, roll
 whole turn, half turn, quarter turn
 rotate, rotation
 angle, ...is a greater/smaller angle than
 right angle, acute, obtuse
 degree
 straight line
 stretch, bend
 ruler, set square
 angle measurer, compasses, protractor

Instructions

listen, join in, say, recite
 think, imagine, remember
 start from, start with, start at
 look at, point to, show me

 put, place
 arrange, rearrange
 change, change over
 split, separate

 carry on, continue, repeat
 what comes next? predict
 describe the pattern, describe the rule

 find, find all, find different
 investigate

choose, decide
 collect

 use, make, build, construct, bisect

 tell me, describe, name, pick out, identify
 discuss, talk about
 explain
 explain your method/answer/reasoning
 give an example of...
 show how you...
 show your working
 justify
 make a statement

 read, write, record
 write in figures
 present, represent
 interpret
 trace, copy
 complete, finish, end

 fill in, shade, colour
 label, plot

 tick, cross
 draw, sketch
 draw a line between, join (up), ring, arrow

 cost, count, tally

 calculate, work out, solve, convert
 investigate, question
 answer
 check

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

