

Year 4 Maths Vocabulary List

Words in red are new to the year group. Words in black have been taught previously.

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
none
how many ...?
quantity
amount
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
ordinal number
cardinal number
interval
continue
predict
few
pattern
pair, rule
relationship
next, **consecutive**
greater than < less than
Roman numerals
integer, **positive**,
natural numbers,

Number continued

negative
above/below
zero, **minus**
negative numbers
appropriate
reliable
efficient
(ARE – in relation to choice of methods)

Place value

ones
tens, hundreds
digit
one-, two- or three-digit
number place, place
value stands for,
represents
place holder
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 on before, after
next
between
halfway between
above, below

Estimating

guess
how many
quantity
amount
estimate
nearly
roughly

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Estimating continued

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
addend
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 ...?
commutative
Subtract
minuend
subtrahend
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
algebra
tens boundary, hundreds
boundary inverse

Multiplication and division

multiplication
multiply
multiplied by
factor
multiple
groups of
times
product
once, twice, three times ... ten times
repeated addition
division
dividing, divide, divided by,
divided
quotient
dividend
divisor
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

Fractions (including 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

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decimal, decimal fraction, decimal point,
decimal place, decimal equivalent
proportion
simplify

MEASUREMENT

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, 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 (cm²)
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

Weight continued

Capacity and volume
litre, half litre, millilitre
capacity
volume
full
empty
more than
less than
half full
quarter full
holds, contains
container, measuring cylinder

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?
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

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Time continued

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
sort
make, build, **construct**, draw,
sketch perimeter
centre
surface
angle, right-angled
base, square-based
size
bigger, larger, smaller
symmetry, symmetrical, symmetrical
pattern line symmetry
reflect, reflection
pattern, 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
composite shape

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

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

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Position and direction continued

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

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
ordered
organised
(both in relation to
problem solving)
Predict
Pattern
Prove
(these three in
relation to problem
solving)
justify
make a statement
Appropriate
Reliable
Efficient
(ARE – in relation to choice of methods)