

MATHS VOCABULARY FOR YEAR 4

(Words new to Year 4 are emphasised.)

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, bigger than, more than, larger 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

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

Fractions and decimals

part, equal parts
fraction
one whole
half, quarter, *eighth*
third, *sixth*
fifth, tenth, twentieth
proportion, in every, for every
decimal, decimal fraction
decimal point, decimal place

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...?
is the same as, equals, sign
tens boundary, hundreds boundary
inverse

Multiplication and division

lots of, groups of
times, multiplication, multiply, multiplied by
multiple of, product
once, twice, three times
four times, five 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, *divisible by*
remainder
factor, quotient
inverse

Solving problems

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

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

Handling data

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

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... 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
container, *measuring cylinder*

Area

area, covers, surface
square centimetre (cm^2)

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

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
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*

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

Patterns and symmetry

size
bigger, larger, smaller
symmetrical
line of symmetry, *line 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
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

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*

tell me, describe, name, pick out
discuss, talk about
explain
explain your method
explain how you got your answer
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
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
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