

Mathematical Vocabulary Children in Year 3 **should know, understand, use and be able to spell.**

(Words new to Year 3 are emphasised.)

Counting, properties of numbers and number sequences

number

zero, one, two, three... to twenty and beyond

zero, ten, twenty... one hundred

zero, one hundred, two hundred... one thousand

none

how many...?

count, count (up) to

count on (from, to)

count back (from, to)

count in ones, twos, threes, fours, fives and so on

count in tens, *hundreds*

more, less, many, few

tally

odd, even

every other

how many times?

multiple of

sequence

continue

predict

pattern, pair, rule

relationship

Place value and ordering

units, ones

tens, hundreds

digit

one-, two- or three-digit number

'teens' number

place, place value

stands for, represents

exchange

the same number as, as many as

equal to

*Of **two** objects/amounts:*

greater, more, larger, bigger

less, fewer, smaller

*Of **three** or more objects/amounts:*

greatest, most, biggest, largest

least, fewest, smallest

one more, ten more, *one hundred more*

one less, ten less, *one hundred less*
compare
order
size
first, second, third... tenth... twentieth
twenty-first, twenty-second...
last, last but one
before, after
next
between, half-way 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 (*up or down*)
nearest (round to the nearest ten)

Fractions

part, equal parts
fraction
one whole
one half, two halves
one quarter, two... three... four quarters
one third, two thirds
one tenth

Calculations

Addition and subtraction

+, add, addition, more, plus
make, sum, total
altogether
score
double, near double
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), minus
leave, how many are left/left over?
one less, two less... ten less... one hundred less
how many fewer is... than ...?
how much less is...?
difference between
half, halve
=, equals, sign, is the same as
tens boundary, *hundreds boundary*

Multiplication and division

lots of, groups of
x, 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
left, left over, *remainder*

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
graph, block graph, pictogram
represent
group, set
list, *chart, bar 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
size
compare
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
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
kilometre (*km*), metre (*m*), centimetre (*cm*)
mile
ruler, metre stick, tape measure

Mass

weigh, weighs, balances
heavy/light, heavier/lighter, heaviest/lightest
kilogram (*kg*), half-kilogram, gram (*g*)
balance, scales, weight

Capacity

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

Time

time
days of the week: Monday, Tuesday...
months of the year: January, February...
seasons: spring, summer, autumn, winter
day, week, fortnight, month, year, *century*
weekend
birthday, holiday
calendar, date
morning, afternoon, evening, night, midnight
am, pm
bedtime, dinnertime, playtime
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...?
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
once, twice

Shape and space

shape, pattern
flat, curved, straight
round
hollow, solid
corner
point, pointed
face, side, edge, end
sort
make, build, draw
surface
right-angled
vertex, vertices
layer, diagram

3D shapes

cube
cuboid
pyramid
sphere, *hemi-sphere*
cone
cylinder
prism

2D shapes

circle, circular, *semi-circle*
triangle, triangular
square
rectangle, rectangular
star
pentagon, *pentagonal*
hexagon, *hexagonal*
octagon, *octagonal*
quadrilateral

Patterns and symmetry

size
bigger, larger, smaller
symmetrical
line of symmetry
fold
match
mirror line, reflection
pattern
repeating pattern

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
clockwise, anti-clockwise
compass point
north, south, east, west, (N, S, E, W)
horizontal, vertical
diagonal

movement
slide
roll
whole turn, half turn, quarter turn
angle, ...is a greater/smaller angle than right angle
straight line
stretch, bend

Instructions

listen
join in
say
recite

think
imagine
remember

start from
start with
start at

look at
point to
show me

put, place
fit
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

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

read
write
record
write in figures

present
represent
interpret
trace
copy
complete
finish, end

fill in
shade, colour
label

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

geo-strips

same way, different way

best way, another way

in order, in a different order

not

all, every, each