

Mathematical vocabulary checklists: Reception to Year 6

Reception

Counting and recognising numbers

Counting

number
zero, one, two, three... to twenty and beyond
zero, ten, twenty... one hundred
none
how many...?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos... tens...
more, less, many, few
odd, even
every other
how many times?
pattern, pair
guess how many, estimate
nearly, close to, about the same as
just over, just under
too many, too few, enough, not enough

Comparing and ordering numbers

the same number as, as many as
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 less, ten less
compare
order
size
first, second, third... tenth
last, last but one
before, after
next
between
above, below

Adding and subtracting

add, more, and
make, sum, total
altogether
score
double
one more, two more, ten more...
how many more to make... ?
how many more is... than...?
take (away), leave
how many are left/left over?
how many have gone?
one less, two less... ten less...
how many fewer is... than...?
difference between
is the same as

Solving problems

Reasoning about numbers or shapes
pattern
puzzle
answer
right, wrong
what could we try next?
how did you work it out?
count, sort
group, set
match
same, different
list

Problems involving 'real life' or money

compare
double
half, halve
pair
count out, share out
left, left over
money
coin
penny, pence, pound
price
cost
buy
sell
spend, spent
pay
change
dear, costs more
cheap, costs less, cheaper
costs the same as
how much...? how many...?
total

Measures, shape and space

Measures (general)

measure
size
compare
guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, close to, about the same as
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, near, close

Mass

weigh, weighs, balances
heavy/light, heavier/lighter, heaviest/lightest
balance, weight, scales

Capacity

full
half full
empty
holds
container

Time

time
days of the week: Monday, Tuesday...
day, week
birthday, holiday
morning, afternoon, evening, night
bedtime, dinnertime, playtime
today, yesterday, tomorrow
before, after
next, last
now, soon, early, late
quick, quicker, quickest, quickly
slow, slower, slowest, slowly

old, older, oldest
new, newer, newest
takes longer, takes less time
hour, o'clock
clock, watch, hands

Exploring patterns, shape and space

shape, pattern
flat
curved, straight
round
hollow, solid
corner
face, side, edge, end
sort
make, build, draw

3D shapes

cube
pyramid
sphere
cone

2D shapes

circle
triangle
square
rectangle
star

Patterns and symmetry

size
bigger, larger, smaller
symmetrical
pattern
repeating pattern
match

Position, direction and movement

position
over, under
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
corner
direction
left, right
up, down
forwards, backwards, sideways
across
close, far, near
along
through
to, from, towards, away from
movement
slide
roll
turn
stretch, bend

Instructions

listen
join in
say

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?

find
choose
collect

use
make
build
tell me
describe

pick out
talk about
explain
show me

read
write
trace
copy
complete
finish, end

fill in
shade
colour

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

cost
count
work out
answer
check

General

same number/s
different number/s
missing number/s
number facts
number line, number track
number square
number cards
counters, cubes, blocks, rods
die, dice
dominoes
pegs, peg board
same way, different way
best way, another way
in order, in a different order

not
all, every, each

Year 1

Numbers and the number system

Counting, properties of numbers and number sequences

number
zero, one, two, three... to twenty and beyond
zero, ten, twenty... one hundred
none
how many...?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos... tens...
more, less, many, few
odd, even
every other
how many times?
pattern, pair

Place value and ordering

units, ones
tens
exchange
digit
'teens' number
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 less, ten less
compare
order
size
first, second, third... tenth, *eleventh... twentieth*
last, last but one
before, after
next
between, *half-way between*
above, below

Estimating

guess how many, estimate
nearly, *roughly*, close to
about the same as
just over, just under
too many, too few, enough, not enough
Words new to Year 1 are emphasised

Calculations

Addition and subtraction

+, add, more, *plus*
make, sum, total
altogether
score
double, *near double*
one more, two more... ten 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?
how many are gone?
one less, two less, ten less...
how many fewer is... than...?
how much less is...?
difference between
half, *halve*
=, *equals*, *sign*, is the same as
Words new to Year 1 are emphasised

Solving problems

Making decisions and reasoning

pattern
puzzle
answer
right, wrong
what could we try next?
how did you work it out?
count out, share out, left, left over
number sentence
sign, *operation*

Money

money
coin
penny, pence, pound
price
cost
buy
sell
spend, spent
pay
change
dear, costs more
cheap, costs less, cheaper
costs the same as
how much...? how many...?

total

Words new to Year 1 are emphasised

Organising and using data

count, sort, *vote*

list

group, set

table

Words new to Year 1 are emphasised

Measures, shape and space

Measures (general)

measure

size

compare

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, *roughly*, close to, about the same as

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, near, close

metre

ruler, metre stick

Mass

weigh, weighs, balances

heavy/light, heavier/lighter, heaviest/lightest

balance, scales, weight

Capacity

full

half full

empty

holds

container

Time

time

days of the week: Monday, Tuesday...

seasons: *spring, summer, autumn, winter*

day, week, month, year,

weekend, birthday, holiday

morning, afternoon, evening

night, *midnight*

bedtime, dinnertime, playtime

today, yesterday, tomorrow

before, after

next, last

now, soon, early, late

quick, quicker, quickest, quickly

fast, faster, fastest

slow, slower, slowest, slowly

old, older, oldest

new, newer, newest

takes longer, takes less time

hour, o'clock, *half past*

clock, watch, hands

how long ago?

how long will it be to...?

how long will it take to...?

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

3D shapes

cube

cuboid

pyramid

sphere

cone

cylinder

2D shapes

circle

triangle

square

rectangle
star

Patterns and symmetry

size
bigger, larger, smaller
symmetrical
pattern
repeating pattern
match

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
left, right
up, down
forwards, backwards, sideways
across
close, far, near
along
through
to, from, towards, away from
movement
slide
roll
turn, *whole turn, half turn*
stretch, bend
Words new to Year 1 are emphasised

Instructions

listen
join in
say

think
imagine
remember

start from
start with
start at

look at
point to

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

carry on, continue
repeat
what comes next?

find
choose
collect

use
make
build

tell me
describe
pick out
talk about
explain
show me

read
write
record
trace
copy
complete
finish, end

fill in
shade
colour

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

cost
count
work out
answer
check

General

same number/s
different number/s
missing number/s
number facts

number line, number track
number square
number cards
abacus
counters, cubes, blocks, rods
die, dice
dominoes
pegs, peg board

same way, different way
best way, another way
in order, in a different order

not
all, every, each
Words new to Year 1 are emphasised

Year 2

Numbers and the number system

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
more, less, many, few
tally
odd, even
every other
how many times?
multiple of
sequence
continue
predict
pattern, pair, *rule*

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 less, ten 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
about the same as
just over, just under
exact, exactly
too many, too few, enough, not enough
round, nearest, round to the nearest ten

Fractions

part, equal parts
fraction
one whole
one half, two halves
one quarter, two... three... four quarters
Words new to Year 2 are emphasised

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 less is... than...?
how much fewer is...?
difference between
half, halve
=, equals, sign, is the same as
tens boundary

Multiplication and division

lots of, groups of
x, times, multiply, multiplied by
multiple of
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
 \div , *divide, divided by, divided into, left, left over*
Words new to Year 2 are emphasised

Solving problems

Making decisions and reasoning

pattern, puzzle
calculate, calculation
mental calculation
jotting
answer
right, *correct*, wrong
what could we try next?
how did you work it out?
number sentence
sign, operation, symbol

Money

money
coin
penny, pence, pound, (£)
price, cost

buy, *bought*, sell, *sold*
spend, spent
pay
change
dear, costs more
cheap, costs less, cheaper
how much...? how many...?
total

Words new to Year 2 are emphasised

Organising and using data

count, *tally*, sort, vote
graph, *block graph*, *pictogram*
represent
group, set
list, table
label, *title*
most popular, *most common*
least popular, *least common*

Words new to Year 2 are emphasised

Measures, shape and space

Measures (general)

measure
size
compare
measuring scale
guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, roughly, about, close to, about the same as
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
metre (*m*), *centimetre (cm)*
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

weekend

birthday, holiday

morning, afternoon, evening, night, midnight

bedtime, dinnertime, playtime

today, yesterday, tomorrow

before, after

next, last

now, soon, early, late

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

3D shapes

cube

cuboid

pyramid
sphere
cone
cylinder

2D shapes

circle, *circular*
triangle, *triangular*
square
rectangle, *rectangular*
star
pentagon
hexagon
octagon

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*
left, right
up, down
higher, lower
forwards, backwards, sideways
across
close, far, near
along
through

to, from, towards, away from
clockwise, anti-clockwise
movement
slide
roll
whole turn, half turn, *quarter turn*
right angle
straight line
stretch, bend
Words new to Year 2 are emphasised

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...

read
write
record
write in figures
present
represent
trace

copy
complete
finish, end

fill in
shade, colour
label

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

cost, count, *tally*

calculate
work out
solve
answer
check

General

same, different
missing number/s
number facts
number pairs
number bonds

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

Words new to Year 2 are emphasised

Year 3

Numbers and the number system

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
Words new to Year 3 are emphasised

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*
Words new to Year 3 are emphasised

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
Words new to Year 3 are emphasised

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
Words new to Year 3 are emphasised

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
Words new to Year 3 are emphasised

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

Words new to Year 3 are emphasised

Year 4

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, 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
Words new to Year 4 are emphasised

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
Words new to Year 4 are emphasised

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
Words new to Year 4 are emphasised

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
Words new to Year 4 are emphasised

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 (cm²)

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
Words new to Year 4 are emphasised

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
Words new to Year 4 are emphasised

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

\geq , *greater than or equal to*

\leq , *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

\approx , *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....(1², 2²...)

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, %
Words new to Year 5 are emphasised

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
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, divided by, divided into, divisible by
remainder
factor, quotient, divisible by
inverse

Using a calculator

calculator
display, key, enter, clear
constant
Words new to Year 5 are emphasised

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
Words new to Year 5 are emphasised

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
Words new to Year 5 are emphasised

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, *gallon*
container, measuring cylinder

Area

area, covers, surface
square centimetre (cm^2), *square metre* (m^2)
square millimetre (mm^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
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
next to, close, far
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*
Words new to Year 5 are emphasised

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
Words new to Year 5 are emphasised

Year 6

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/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, *factorise*
square number
one squared, two squared....(1^2 , 2^2 ...)
prime, prime factor

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, *thousandth*
proportion, ratio, in every, for every
to every, as many as
decimal, decimal fraction
decimal point, decimal place
percentage, per cent, %
Words new to Year 6 are emphasised

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
units boundary, tenths 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
remainder
factor, quotient, divisible by
inverse

Using a calculator

calculator, display, key
enter, clear, *sign change*
constant, *recurring, memory, operation key*
Words new to Year 6 are emphasised

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
discount, *profit, loss*
currency

Words new to Year 6 are emphasised

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, *mean, average, median*
statistics, distribution
maximum/minimum value
classify, outcome

Probability

fair, unfair
likely, unlikely, likelihood, *equally likely*
certain, uncertain
probable, possible, impossible
chance, good chance,
poor chance, no chance
equal chance, even chance, fifty-fifty chance
risk, doubt
biased, random

Words new to Year 6 are emphasised

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, *circumference*
kilometre (*km*), metre (*m*), centimetre (*cm*), millimetre (*mm*)
mile, *yard*, *feet*, *foot*, *inches*, *inch*
ruler, metre stick, tape measure, compasses

Mass

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

Capacity

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

Area

area, covers, surface
square centimetre (cm^2), square metre (m^2)
square millimetre (mm^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
24-hour clock, 12-hour clock
Greenwich Mean Time, British Summer Time
International Date Line
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
circumference, concentric, arc
net
surface
angle, right-angled
congruent
intersecting, intersection
plane
base, square-based
vertex, vertices
layer, diagram
regular, irregular
concave, convex
open, closed
tangram

3D shapes

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

2D shapes

2D, two-dimensional
circle, circular, semi-circle
triangle, triangular
equilateral triangle, isosceles triangle, scalene triangle
square, *rhombus*
rectangle, rectangular, oblong
pentagon, pentagonal
hexagon, hexagonal
heptagon
octagon, octagonal
polygon
quadrilateral
kite
parallelogram, trapezium

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, *reflex*
degree
straight line
stretch, bend
ruler, set square
angle measurer, compasses, protractor
Words new to Year 6 are emphasised

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
adjusting, adjust
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, *define*, 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, *interrogate (data)*, question, *prove*
answer
check

General

same, *identical*, 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

Words new to Year 6 are emphasised
