

Mathematical Vocabulary Progressions

NUMBER

Number and place value

Number

zero
number
one, two, three ... to twenty and beyond
teens numbers, eleven, twelve ... twenty
none
how many ...?
count, count (up) to, count on (from, to),
count back (from, to)
count in ones, twos, fives, tens
is the same as
more, less
odd, even
few
pattern
pair

Place value

ones
tens
digit
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 less, ten less
compare
order
size
first, second, third... twentieth
last, last but one
before, after
next
between

Estimating

guess
how many ...?
estimate
nearly
close to
about the same as
just over, just under
too many, too few
enough, not enough

Addition and subtraction

add, more, and
make, sum, total
altogether
double
one more, two more ... ten more
how many more to make ...?
how many more is ... than ...?
how much more is ...?
take away
how many are left/left over?
how many have gone?
one less, two less, ten less ...
how many fewer is ... than ...?
how much less is ...?
difference between

Multiplication and division

sharing
doubling
halving
number patterns

Fractions

parts of a whole
half
quarter

MEASUREMENT

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

metre
length, height, width, depth
long, short, tall
high, low
wide, narrow
thick, thin
longer, shorter, taller, higher ... and so on
longest, shortest, tallest, highest ... and so on
far, near, close

Weight

weigh, weighs, balances
heavy, light
heavier than, lighter than
heaviest, lightest
scales

Capacity and volume

full
empty
half full
holds
container

Time

time
days of the week, Monday, Tuesday ...
day, week
birthday, holiday
morning, afternoon, evening, night
bedtime, dinner time, 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

Money

money
coin
penny, pence, pound
price, cost
buy, sell
spend, spent
pay

GEOMETRY

Properties of shape

shape, pattern
flat
curved, straight
round
hollow, solid
sort
make, build, draw
size

bigger, larger, smaller
symmetrical
pattern, repeating pattern
match

2-D shape

corner, side
rectangle (including square)
circle
triangle

3-D shape

face, edge, vertex, vertices
cube
pyramid
sphere
cone

Position and direction

position
over, under
above, below
top, bottom, side
on, in
outside, inside
around
in front, behind
front, back
beside, next to
opposite
apart
between
middle, edge
corner
direction
left, right
up, down
forwards, backwards, sideways

across
next to, close, near, far
along
through
to, from, towards, away from
movement
slide
roll
turn
stretch, bend
whole turn, half turn

STATISTICS

count, sort
group, set
list

GENERAL

pattern
puzzle
what could we try next?
how did you work it out?
recognise
describe
draw
compare
sort

YEAR 1

NUMBER

Number and place value

Number

number

numeral

zero

one, two, three ... twenty

teens numbers, eleven, twelve ... twenty

twenty-one, twenty-two ... one hundred

none

how many ...?

count, count (up) to, count on (from, to),
count back (from, to)

forwards

backwards

count in ones, twos, fives, tens

equal to

equivalent to

is the same as

more, less

most, least

many

odd, even

multiple of

few

pattern

pair

Place value

ones

tens

digit

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 less, ten less

equal to

one more, ten more

one less, ten less

compare

order

size

first, second, third... 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

Addition and subtraction

addition

add, more, and

make, sum, total

altogether

double

near double

half, halve

one more, two more ... ten more

how many more to make ...?

how many more is ... than ...?

how much more is ...?



subtract

take away

how many are left/left over?

how many have gone?

one less, two less, ten less ...

how many fewer is ... than ...?

how much less is ...?

difference between

equals

is the same as

number bonds/pairs

missing number

Multiplication and division

multiplication

multiply

multiplied by

multiple

division

dividing

grouping

sharing

doubling

halving

array

number patterns

Fractions

fraction

equal part

equal grouping

equal sharing

parts of a whole

half

one of two equal parts

quarter

one of four equal parts

MEASUREMENT

measure

measurement

size

compare

guess, estimate

enough, not enough

too much, too little

too many, too few

nearly, close to, about the same as

roughly

just over, just under

Length

centimetre, metre

length, height, width, depth

long, short, tall

high, low

wide, narrow

thick, thin

longer, shorter, taller, higher ... and so on

longest, shortest, tallest, highest ... and so on

far, near, close

ruler

metre stick

Weight

kilogram, half kilogram

weigh, weighs, balances

heavy, light

heavier than, lighter than

heaviest, lightest

scales

Capacity and volume

litre, half litre

capacity

volume

full

empty

more than

less than

half full

quarter full

holds

container

Time

time

days of the week, Monday, Tuesday ...

months of the year (January, February ...)

seasons: spring, summer, autumn, winter

day, week, weekend, month, year

birthday, holiday

morning, afternoon, evening, night

bedtime, dinner time, playtime

today, yesterday, tomorrow

before, after

earlier, later

next, first, last

midnight

date

now, soon, early, late

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

clock, clock face, watch, hands

hour hand, minute hand

hours, minutes

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

GEOMETRY

Properties of shape

shape, pattern

flat

curved, straight

round

hollow, solid

sort

make, build, draw

size

bigger, larger, smaller

symmetry, symmetrical, symmetrical pattern

pattern, repeating pattern

match

Y
E
A
R
1

Y
E
A
R
1

2-D shape

corner, side

point, pointed

rectangle (including square)

circle

triangle

3-D shape

face, edge, vertex, vertices

cube, cuboid

pyramid

sphere

cone

cylinder

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

direction

journey

left, right

up, down

forwards, backwards, sideways

across

next to, close, near, far

along

through

to, from, towards, away from

movement

slide

roll

turn

stretch, bend

whole turn, half turn, quarter turn,

three-quarter turn

STATISTICS

count, sort, vote

group, set

list, table

GENERAL

pattern

puzzle

problem, problem solving

mental, mentally

what could we try next?

how did you work it out?

explain your thinking

recognise

describe

draw

compare

sort

YEAR 2

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**
none
how many ...?
count, count (up) to, count on (from, to), count back (from, to)
forwards
backwards
count in ones, twos, fives, tens, **threes, fours and so on**
equal to
equivalent to
is the same as
more, less
most, least
tally
many
odd, even
multiple of
sequence
continue
predict
few
pattern
pair, **rule**
> greater than
< less than

Place value

ones
tens, **hundreds**
digit
one-, two- or three-digit number
place, place value
stands for, represents
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 less, ten less
equal to
compare
order
size
first, second, third ... twentieth
twenty-first, twenty-second ...
last, last but one
before, after
next
between
halfway 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

Addition and subtraction

addition
add, more, and
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 ...?
subtract
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**
tens boundary

Multiplication and division

multiplication
multiply
multiplied by
multiple
groups of
times
once, twice, three times ... ten times
repeated addition

division
dividing, **divide, divided by, divided into**
grouping
sharing, **share, share equally**
left, left over
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

Fractions

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

MEASUREMENT

measure
measurement
size
compare
measuring scale

guess, estimate
enough, not enough
too much, too little
too many, too few
nearly, close to, about the same as
roughly
just over, just under

Length

centimetre, metre
length, height, width, depth
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
ruler
metre stick, **tape measure**

Weight

kilogram, half kilogram, **gram**
weigh, weighs, balances
heavy, light
heavier than, lighter than
heaviest, lightest
scales

Capacity and volume

litre, half litre, **millilitre**
capacity
volume
full
empty
more than
less than
half full

quarter full
holds, **contains**
container

Temperature

temperature
degree

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
birthday, holiday
morning, afternoon, evening, night
bedtime, dinnertime, playtime
today, yesterday, tomorrow
before, after
earlier, later
next, first, last
midnight
date
now, soon, early, late
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
5, 10, 15 ... minutes past



clock, clock face, watch, hands
digital/analogue clock/watch, timer
hour hand, minute hand
hours, minutes, **seconds**

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
curved, straight
round
hollow, solid
sort
make, build, draw
surface
size
bigger, larger, smaller
symmetry, symmetrical, symmetrical pattern
line symmetry
pattern, repeating pattern
match

2-D shape

corner, side
point, pointed
rectangle (including square), **rectangular**
circle, **circular**
triangle, **triangular**
pentagon
hexagon
octagon

3-D shape

face, edge, vertex, vertices
cube, cuboid
pyramid
sphere
cone
cylinder

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
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
movement
slide
roll
turn
stretch, bend
whole turn, half turn, quarter turn,
three-quarter turn
right angle
straight line

STATISTICS

count, tally, sort, vote
graph, block graph, pictogram
represent
group, set
list, table
label, title
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
mental calculation
written calculation

Y
E
A
R
2

Y
E
A
R
3

YEAR 3

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
none
how many ...?
count, count (up) to, count on (from, to),
count back (from, to)
forwards
backwards
count in ones, twos, fives, tens, threes,
fours, eights, fifties and so on to hundreds
equal to
equivalent to
is the same as
more, less
most, least
tally
many
odd, even
multiple of, factor of
sequence
continue
predict
few
pattern
pair, rule
relationship
> greater than
< less than
Roman numerals

Place value

ones
tens, hundreds
digit
one-, two- or three-digit number
place, place value
stands for, represents
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 less, ten less, one hundred less
equal to
compare
order
size
first, second, third ... twentieth
twenty-first, twenty-second ...
last, last but one
before, after
next
between
halfway 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, nearest, round to the nearest ten, hundred
round up, round down

Addition and subtraction

addition
add, more, and
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 ...?
subtract
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
tens boundary, hundreds boundary

Multiplication and division

multiplication
multiply
multiplied by

multiple, factor
groups of
times
product
once, twice, three times ... ten times
repeated addition
division
dividing, divide, divided by, divided 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

Fractions

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 ...



MEASUREMENT

measure
measurement
size
compare
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
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
perimeter
ruler
metre stick, tape measure

Weight

kilogram, half kilogram, gram
weigh, weighs, balances
heavy, light
heavier than, lighter than
heaviest, lightest
scales

Capacity and volume

litre, half litre, millilitre
capacity
volume
full
empty
more than
less than
half full
quarter full
holds, contains
container

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, century
birthday, holiday
morning, afternoon, evening, night
bedtime, dinner time, playtime
today, yesterday, tomorrow
before, after
earlier, later
next, first, last
midnight
calendar, date
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
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
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
curved, straight
round
hollow, solid
sort
make, build, draw
perimeter
surface
size
bigger, larger, smaller
symmetry, symmetrical, symmetrical pattern
line symmetry
pattern, repeating pattern
match

2-D shape

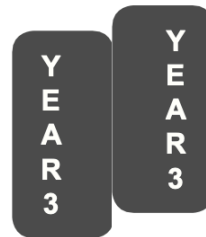
corner, side
point, pointed
rectangle (including square), rectangular
circle, circular
triangle, triangular
pentagon, **pentagonal**
hexagon, **hexagonal**
octagon, **octagonal**
quadrilateral
right-angled
parallel, perpendicular

3-D shape

face, edge, vertex, vertices
cube, cuboid
pyramid
sphere, **hemisphere**
cone
cylinder
prism, triangular prism

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
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
horizontal, vertical, diagonal
movement
slide
roll
turn
stretch, bend
whole turn, half turn, quarter turn, three-quarter turn
angle ... is a greater/smaller angle than
right angle

acute angle
obtuse angle
straight line

STATISTICS

count, tally, sort, vote
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

YEAR 4

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, hundred thousand, million**
none
how many ...?
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
continue
predict
few
pattern
pair, rule
relationship

next, consecutive

> greater than

< less than

Roman numerals

integer, positive, negative

above/below zero, minus

negative numbers

Place value

ones
tens, hundreds
digit
one-, two- or three-digit number
place, place value
stands for, represents
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
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, nearest, round to the nearest ten, hundred, **thousand**
round up, round down

Addition and subtraction

addition
add, more, and
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 ...?
subtract
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
tens boundary, hundreds boundary
inverse

Multiplication and division

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



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

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

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

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

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

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

justify

make a statement



YEAR 5

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, hundred thousand, million
none
how many ...?
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
factor pair
sequence
continue
predict
few
pattern
pair, rule
relationship

next, consecutive
> greater than
< less than
≥ greater than or equal to
≤ less than or equal to
Roman numerals
integer, positive, negative
above/below zero, minus
negative numbers
formula
divisibility
square number
prime number
ascending/descending order

Place value

ones
tens, hundreds
digit
one-, two- or three-digit number
place, place value
stands for, represents
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 one

before, after
next
between
halfway 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, nearest, round to the nearest ten, hundred, thousand, **ten thousand**
round up, round down

Addition and subtraction

addition
add, more, and
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 ...?
subtract
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
tens boundary, hundreds boundary, **ones boundary, tenths boundary**
inverse

Multiplication and division

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

Fractions (including decimals and percentages)

fraction, **proper/improper fraction**
equivalent fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel
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, **thousandths**
decimal, decimal fraction, decimal point,
decimal place, decimal equivalent
proportion, **in every, for every**
percentage, per cent, %

MEASUREMENT

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, 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), **square metre (m²),**
square millimetre (mm²)
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

Capacity and volume

litre, half litre, millilitre
capacity

volume
full
empty
more than
less than
half full
quarter full
holds, contains
container, measuring cylinder
pint, gallon

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
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
discount
currency

GEOMETRY

Properties of shape
shape, pattern



flat, line
curved, straight
round
hollow, solid
sort
make, build, construct, draw, sketch
perimeter
centre, **radius, diameter**
surface
angle, right-angled
congruent
base, square-based
size
bigger, larger, smaller
symmetry, symmetrical, symmetrical pattern
line symmetry
reflect, reflection
axis of symmetry, reflective symmetry
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
x-axis, y-axis, quadrant

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
octahedron

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
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
coordinate
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, **protractor**

STATISTICS

count, tally, sort, vote
survey, questionnaire, data, **database**
graph, block graph, pictogram
represent
group, set

list, table, chart, bar chart, frequency table, **bar line chart**
Carroll diagram, Venn diagram
line graph
label, title, axis, axes
diagram
most popular, most common
least popular, least common
maximum/minimum value
outcome

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
justify
make a statement
explain your reasoning



YEAR 6

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, hundred thousand, million
none
how many ...?
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
factor pair
sequence
continue
predict
few
pattern
pair, rule
relationship
next, consecutive
> greater than
< less than

\geq greater than or equal to
 \leq less than or equal to
Roman numerals
integer, positive, negative
above/below zero, minus
negative numbers
formula
divisibility
square number
prime number
factorise
prime factor
ascending/descending order
digit total

Place value

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

halfway 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, nearest, round to the nearest ten, hundred, thousand, ten thousand
round up, round down

Addition and subtraction

addition
add, more, and
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 ...?
subtract
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
tens boundary, hundreds boundary, ones boundary, tenths boundary
inverse

Multiplication and division

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

Fractions (including decimals, percentages, ratio and proportion)

fraction, proper/improper fraction



equivalent fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel
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, thousandths
decimal, decimal fraction, decimal point,
decimal place, decimal equivalent
proportion, in every, for every
ratio
percentage, per cent, %

Algebra

formula, **formulae**
equation
unknown
variable

MEASUREMENT

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, close to, about the same as,

approximately
roughly
just over, just under

Length

centimetre, metre, millimetre, kilometre,
mile, **yard, foot, feet, inch, inches**
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, **circumference**
area, covers
square centimetre (cm²), square metre (m²),
square millimetre (mm²)
ruler
metre stick, tape measure

Weight

mass: big, bigger, small, smaller
weight: heavy/light, heavier/lighter, heaviest/
lightest
tonne, kilogram, half kilogram, gram, **pound**,
ounce
weigh, weighs, balances
heavy, light
heavier than, lighter than
heaviest, lightest
scales

Capacity and volume

litre, half litre, millilitre, **centilitre**
cubic centimetres(cm³), **cubic metres (m³)**,
cubic millimetres (mm³), **cubic kilometres**
(km³)
capacity
volume

full
empty
more than
less than
half full
quarter full
holds, contains
container, measuring cylinder
pint, gallon

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
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
Greenwich Mean Time, British Summer
Time, International Date Line

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
discount
currency
profit, loss

GEOMETRY

Properties of shape
shape, pattern
flat, line



curved, straight
round
hollow, solid
sort
make, build, construct, draw, sketch
perimeter
centre, radius, diameter
circumference, concentric, arc
net, open, closed
surface
angle, right-angled
congruent
intersecting, intersection
plane
base, square-based
size
bigger, larger, smaller
symmetry, symmetrical, symmetrical pattern
line symmetry
reflect, reflection
axis of symmetry, reflective symmetry
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, **kite**
polygon
right-angled
parallel, perpendicular
x-axis, y-axis, quadrant

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
octahedron
dodecahedron
net, open, closed

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
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
coordinate
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
reflex angle
reflection
straight line
ruler, set square
angle measurer, compass, protractor

STATISTICS

count, tally, sort, vote
survey, questionnaire, data, database
graph, block graph, pictogram
represent
group, set

list, table, chart, bar chart, frequency table, bar line chart
Carroll diagram, Venn diagram
line graph
pie chart
label, title, axis, axes
diagram
most popular, most common
least popular, least common
maximum/minimum value
outcome
mean (mode, median, range as estimates for this)
statistics, distribution

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
justify
make a statement
explain your reasoning

