



Mathematics Vocabulary Progression

Aim:

'The national curriculum for mathematics reflects the importance of spoken language in pupils' development across the whole curriculum – cognitively, socially and linguistically. The quality and variety of language that pupils hear and speak are key factors in developing their mathematical vocabulary and presenting a mathematical justification, argument or proof. They must be assisted in making their thinking clear to themselves as well as others, and teachers should ensure that pupils build secure foundations by using discussion to probe and remedy their misconceptions.'

(National Curriculum in England, Department of Education, 2003)

Introduction:

At Manorcroft, we follow a mastery approach to the teaching of mathematics and believe that all pupils have the potential to succeed. They should have access to the same curriculum content and should deepen their understanding by tackling challenging and varied problems. In order to do this, children must be able to hear and use correct mathematical language as it is crucial for thinking and learning. Children may develop knowledge through remembering what they hear, but it is only when they put these ideas in their own words that it becomes clear what they have really learned. We seek to encourage children to explain their methods and justify the reasoning for why have chosen them. We aim to use mathematical language frequently in our lessons, for example in paired activities, group discussions and other dialogues.

Using mathematical vocabulary can help all children to make links across areas of mathematics as they progress across the school. It can also help them to make links across the curriculum as a whole and furthermore, within real-life situations. It can especially support lower attainers, enabling them to build confidence with communication in mathematics. This progression document has been written alongside 'Power Maths', which we use in our daily lessons, as well as the National Numeracy Strategy Vocabulary Book for the new curriculum.

Questioning:

Children cannot learn the meanings of words in isolation. The use of questioning is important in helping them to understand and use mathematical terms correctly. At Manorcroft, questions are asked in a variety of ways so that children who do not initially understand, can pick up the meaning subsequently. Effective questioning will include both closed questions with a single correct answer and open questions with a number of possible answers to encourage children to think more deeply. The answers given provide teachers with useful assessment opportunities and evidence of children's level of understanding. Teachers can then question the children further by asking them to explain or justify their answers.



Early Years Foundation Stage

Number

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
pattern, pair

Place value

ones
tens
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... tenth
last, last but one
before, after
next
between
above, below

Estimation

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
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



Measurement

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/Weight

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

Capacity/volume

full
half full
empty
holds
container

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

Geometry

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
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

Number

Counting

number, digit
 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
 pattern, pair

Place value

ones
 tens
 value
 exchange
 partition
 'teens' number
 equal to
 the same number as, as many as
 more, larger, bigger, greater,
 increase
 fewer, smaller, less, decrease
 fewest, smallest, least
 most, biggest, largest, greatest
 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

Estimation

guess how many, estimate
 predict
 nearly, roughly, close to, about
 the same as

just over, just under
 too many, too few, enough, not
 enough

Addition and Subtraction

add, more, and, 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 have gone?
 one less, two less... ten less...
 how many fewer is... than...?
 how much less is...?
 difference between
 equals, sign, is the same as

Multiplication and Division

total, altogether
 array
 row, column
 equal groups
 share, sharing equally
 fairly
 each
 half, halves, quarter, quarters
 split
 repeated addition

Solving problems

Reasoning about numbers or
 shapes

pattern
 puzzle
 answer
 right, wrong
 what could we try next?
 how did you work it out?
 sign, operation
 match
 prove

Problems involving 'real life' or

money

compare
 double, twice
 half, halve
 pair
 count out, share out
 left, left over
 money
 coin, notes
 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

Handling Data

count, sort, vote
 group, set
 list
 same, different
 table
 represent



Measurement

Measures general

measure
size
compare
unit
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
centimetre
ruler, metre stick
distance

Mass/Weight

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

Capacity/volume

full
half full
empty
holds
container

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
calendar
date
second, minute, hour
how long ago?
how long will it be to...?
how long will it take to...?
how often?
always, never, often, sometimes,
usually
once, twice

Geometry

Exploring patterns, shape and

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

3D shapes

3D
cube
cuboid
pyramid
sphere
cone

cylinder

2D shapes

2D
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
whole turn, half 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
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
place value grid
number facts
number pairs
number bonds
number line, number track
number square
number cards
number sentence
part-whole model
part
whole
ten frame
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



Year 2

Number

Counting

number, digit
 zero, one, two, three... to twenty and beyond
 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...
 count in tens
 more, less, many, few
 tally
 odd, even
 every other
 multiple of
 sequence
 continue
 pattern, pair, rule

Place value

ones
 tens, hundreds
 one-, two- or three-digit number value
 exchange
 partition
 'teens' number
 place, place value
 stands for, represents
 equal to
 the same number as, as many as
 more, larger, bigger, greater, increase
 fewer, smaller, less, decrease
 fewest, smallest, least
 most, biggest, largest, greatest
 one more, ten more
 one less, ten less
 compare
 order
 size

first, second, third... tenth, eleventh... twentieth
 twenty-first, twenty-second...
 last, last but one
 before, after
 next
 between, half-way between
 above, below

Estimation

guess how many, estimate
 predict
 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
 third (1/3)
 numerator, denominator
 unit, non-unit
 equivalent

Addition and Subtraction

add, more, and, 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?
 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, sign, is the same as
 tens boundary
 known fact, fact family
 regroup
 column method

Multiplication and Division

total, altogether
 array
 row, column
 lots of, groups of
 ×, times, multiply, multiplied by
 multiple of
 once, twice, three times... ten times... times as (big, long, wide... and so on)
 times tables
 skip counting
 commutative
 double, twice
 half, halve
 equal groups
 share, sharing equally, fairly
 each
 half, halves, quarter, quarters
 split
 one each, two each, three each...
 group in pairs, threes... tens
 left, left over
 ÷, divide, divided by, divided into



Solving problems

Reasoning about numbers or shapes

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

Problems involving 'real life' or

money

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

Handling Data

count, tally, sort, vote
graph, block graph, pictogram
group, set
list
same, different
represent
label, title

Capacity/volume

full, half full
most popular, most common,
favourite
least popular, least common
symbol, key
information

Measurement

Measures general

measure, size
interval
compare
unit
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
distance

Mass/Weight

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

balance, scales, weight
empty
holds, contains
litre (l), half-litre, millilitre (ml)
container

Temperature

thermometer
degrees Celsius (°C)

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
hour, o'clock, half past, quarter to,
quarter past
clock, watch, hands
digital/analogue clock/watch,
timer
calendar
date
second, minute, hour
duration, time taken
24 hours, am, pm
how long ago?
how long will it be to...?
how long will it take to...?
how often?
always, never, often, sometimes,
usually
once, twice



Geometry

Exploring patterns, shape and space

shape, pattern
flat
curved, straight
round
hollow, solid
corner
point, pointed
face, side, edge, end
sort
make, build, draw
surface
properties
vertex, vertices

3D shapes

3D
cube
cuboid
pyramid (triangle-based, square-based, pentagon-based, hexagon-based)
sphere
cone
cylinder
hemisphere
ovoid
triangular prism, pentagonal prism, hexagonal prism

2D shapes

2D
polygon
circle, circular, semicircle, oval
triangle, triangular
square
rectangle, rectangular
quadrilateral
star
pentagon
hexagon
octagon

Patterns and Symmetry

size

bigger, larger, smaller
symmetrical
line of symmetry
fold
mirror line, reflection
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, 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, three quarter turn
right angle
straight line
stretch, bend



Instructions

listen
 join in
 say
 recite
 think
 imagine
 remember
 start from
 start with
 start at
 look at
 point to
 show me
 put, place, fit
 arrange, rearrange
 change, change over
 split, separate
 carry on, continue, repeat
 what comes next?
 predict
 describe the pattern/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
 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
 solve
 work out
 answer
 check

General

same number/s
 different number/s
 missing number/s
 place value grid
 number facts
 number pairs
 number bonds
 number line, number track
 number square, hundred square
 number cards
 number grid
 number sentence
 part-whole model
 part
 whole
 ten frame
 bar model
 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



Year 3

Number

Counting

number, digit
 zero, one, two, three... to twenty and beyond
 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...
 count in tens, hundreds
 more, less, many, few
 tally
 odd, even
 every other
 multiple of
 sequence, continue
 pattern, pair, rule, relationship

Place value

ones
 tens, hundreds
 one-, two- or three-digit number
 value
 exchange
 partition
 'teens' number
 place, place value
 stands for, represents
 equal to
 the same number as, as many as
 more, larger, bigger, greater, increase
 fewer, smaller, less, decrease
 fewest, smallest, least
 most, biggest, largest, greatest
 one more, ten more, one hundred more
 one less, ten less, one hundred less
 compare, order, size
 first, second, third... tenth, eleventh... twentieth
 twenty-first, twenty-second...
 last, last but one

before, after
 next
 between, half-way between
 above, below

Estimation

guess how many, estimate
 predict
 nearly, roughly, close to, about
 approximate, approximately
 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 (1/3), two thirds, three thirds
 one fifth, one sixth, one seventh, one eighth, one ninth, one tenth, one eleventh, one twelfth
 numerator, denominator
 unit, non-unit
 equivalent
 whole number, integer, mixed number

Addition and Subtraction

add, 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?
 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, sign, is the same as,
 solutions
 tens boundary
 hundreds boundary
 known fact, fact family, related facts
 regroup
 column method

Multiplication and Division

total, altogether
 array
 row, column
 lots of, groups of, ×, times,
 multiply, multiplied by
 multiple of, multiplication,
 product, repeated addition
 once, twice, three times... ten times... times as (big, long, wide... and so on)
 times tables
 skip counting
 double, twice
 half, halve
 equal groups, split
 share, sharing equally, fairly
 each
 half, halves, quarter, quarters
 one each, two each, three each...
 group in pairs, threes... tens
 ÷, divide, division, divided by,
 divided into
 left, left over, remainder
 one-step, multi-step



Solving problems

Reasoning about numbers or shapes

pattern
puzzle
calculate, calculation
mental calculation
method
jotting
answer
right, correct, wrong
what could we try next?
how did you work it out?
sign, operation, symbol, equation
match, prove

Problems involving 'real life' or money

compare, convert
money
coin, notes
penny, pence, pound £
price, cost, spend, spent
buy, bought
sell, sold
pay, amount
change, difference
dear, costs more, more/most
expensive
cheap, costs less, cheaper,
less/least expensive
costs the same as
how much...?
how many...?
total, value, worth

Handling Data

count, tally, sort, vote
graph, block graph, pictogram
group, set
list, chart, tally chart, bar chart
same, different
table, frequency table
represent
Carroll diagram, Venn diagram
label, title, axis, axes, horizontal
axis, vertical axis

most popular, most common,
favourite
least popular, least common
symbol, key
information
scale

Measurement

Measures general

measure, size, compare
interval
convert
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
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
kilometre (km), metre (m),
centimetre (cm), mile
ruler, metre stick, tape measure
distance apart/between, distance
to... from...
perimeter

Mass/Weight

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

Capacity/volume

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

Temperature

thermometer
degrees Celsius (°C)

Time

days of the week: Monday,
Tuesday...
months of the year: January...
seasons: spring, summer, autumn,
winter
day, week, fortnight, month, year,
leap year, century
weekend, birthday, holiday
morning, midday/noon,
afternoon, evening, night,
midnight
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
hour, o'clock, half past, quarter to,
quarter past
clock, watch, hands
digital/analogue clock/watch,
timer
calendar, date
Roman numerals
second, minute, hour
duration, time taken
24 hours, am, pm
how long ago?
how long will it be to...?
how long will it take to...?
how often?
always, never, often, sometimes,
usually
once, twice



Geometry

Exploring patterns, shape and space

shape, pattern

flat

curved, straight

round

hollow, solid

point, pointed

face, side, edge, end

sort

make, build, draw

surface

properties

corner, vertex, vertices, right-angled vertex

layer, diagram

draw accurately, construct

3D shapes

3D

cube

cuboid

pyramid (triangle-based, square-based, pentagon-based, hexagon-based), tetrahedron

sphere, hemisphere

cone

cylinder

ovoid

triangular prism, pentagonal prism, hexagonal prism

2D shapes

2D

polygon

circle, circular, semicircle, oval

triangle, triangular

square

rectangle, rectangular

quadrilateral, trapezium, rhombus, kite

star

pentagon

hexagon

octagon

Patterns and Symmetry

size

bigger, larger, smaller

symmetrical

line of symmetry

fold, mirror line, reflection

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, 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

parallel, perpendicular

movement, slide, roll

whole turn, half turn, quarter turn, three quarter turn

right angle

angle, ...is a greater/smaller angle than

acute angle, obtuse angle

straight line

stretch, bend



Instructions

listen
 join in
 say
 recite
 think
 imagine
 remember
 start from
 start with
 start at
 look at
 point to
 show me, show your working
 put, place, fit
 arrange, rearrange
 change, change over
 split, separate
 carry on, continue, repeat
 what comes next?
 predict
 describe the pattern/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
 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
 solve
 investigate
 question
 work out
 answer
 check

General

same number/s
 different number/s
 missing number/s
 place value grid
 number facts
 number pairs
 number bonds
 number line, number track
 number square, hundred square
 number cards
 number grid
 number sentence
 part-whole model
 part
 whole
 bar model
 function machine
 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



Year 4

Number

Counting

number, digit
count, count (up) to
count on (from, to)
count back (from, to)
more, less, many, few
odd, even
every other
sequence, continue
pattern, pair, rule, relationship

Place value

ones
tens, hundreds, thousands
ten thousand, hundred thousand,
million
one-, two-, three- or four-digit
number
numeral
value
exchange
partition
recombine
'teens' number
place, place value
stands for, represents
equal to
the same number as, as many as
more, larger, bigger, greater,
increase, ascending
fewer, smaller, less, decrease,
descending
fewest, smallest, least
most, biggest, largest, greatest
one, ten, hundred, thousand
more/less
compare, order, size
first, second, third... twentieth
twenty-first, twenty-second...
last, last but one
before, after
next, consecutive
between, half-way between
above, below
negative, positive

Estimation

guess how many, estimate

predict
nearly, roughly, close to, about
approximate, approximately
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/ hundred
integer, positive, negative
above/below zero, minus

Fractions and Decimals

part, equal parts, fraction
half, quarter, third, fifth, sixth,
seventh, eighth, ninth, tenth,
eleventh, twelfth, twentieth,
hundredth
numerator, denominator
unit, non-unit
proper fraction, improper fraction
simplify, simplest fraction
equivalent
whole number, integer, mixed
number
proportion, in every, for every
decimal, decimal fraction
decimal point, decimal place
tenth, hundredth

Addition and Subtraction

add, more, plus, increase
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, decrease
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, sign, is the same as,
solutions
tens boundary
hundreds boundary
known fact, fact family, related
facts
regroup
column method
inverse

Multiplication and Division

total, altogether
array, row, column
lots of, groups of, \times , times,
multiply, multiplied by
multiple of, multiplication,
product, repeated addition
once, twice, three times... ten
times... times as (big, long, wide...
and so on)
times tables
skip counting
double, twice
half, halve
equal groups, split
share, sharing equally, fairly
each
half, halves, quarter, quarters
one each, two each, three each...
group in pairs, threes... tens
 \div , divide, division, divided by,
divided into
left, left over, remainder
one-step, multi-step
factor, factor pairs, quotient,
divisible by inverse
multiplication facts, division facts
recall, correspondence
short multiplication, short division



Solving problems

Reasoning about numbers or shapes

pattern
puzzle
calculate, calculation
mental calculation
method
jotting
answer
right, correct, wrong
what could we try next?
how did you work it out?
sign, operation, symbol, equation
match, prove

Problems involving 'real life' or money

compare, convert
money
coin, notes
penny, pence, pound £
price, cost, spend, spent
buy, bought
sell, sold
pay, amount
change, difference
dear, costs more, more/most
expensive
cheap, costs less, cheaper,
less/least expensive
costs the same as
how much...?
how many...?
total, value, worth
estimate, over estimate, under
estimate

Handling Data

count, tally, sort, vote
survey, questionnaire, data
graph, block graph, pictogram,
line graph
group, set
list, chart, tally chart, bar chart
same, different
table, frequency table

represent
Carroll diagram, Venn diagram
label, title, axis, axes, horizontal
axis, vertical axis
most popular, most common,
favourite
least popular, least common
symbol, key
information
scale
discrete data, continuous data

Measurement

Measures general

measure, size, compare
interval
convert
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
kilometre (km), metre (m),
centimetre (cm), millimetre (mm),
mile
ruler, metre stick, tape measure
distance apart/between, distance
to... from...
edge, perimeter

Mass/Weight

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

Capacity/volume

full, half full
empty
holds, contains
litre (l), half-litre, millilitre (ml)
pint
container, measuring cylinder

Temperature

thermometer
degrees Celsius (°C)

Area

area, covers, surface
square centimetre (cm²)

Time

days of the week: Monday,
Tuesday...
months of the year: January...
seasons: spring, summer, autumn,
winter
day, week, fortnight, month, year,
leap year, century, millennium
weekend, birthday, holiday
morning, midday/noon,
afternoon, evening, night,
midnight
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
timetable, arrive, depart
hour, o'clock, half past, quarter to,
quarter past
clock, watch, hands



digital/analogue clock/watch,
timer
calendar, date, date of birth
Roman numerals
second, minute, hour
duration, time taken
24 hours, am, pm
how long ago?
how long will it be to...?
how long will it take to...?
how often?
always, never, often, sometimes,
usually
once, twice

Geometry

Exploring patterns, shape and space

shape, pattern
flat, line
curved, straight
round
hollow, solid
point, pointed
face, side, edge, end
sort
make, build, draw, sketch
properties
centre, radius, diameter
net
surface
angle, right-angled base, square-based
corner, vertex, vertices, right-angled vertex
layer, diagram
draw accurately, construct
interior angles, exterior angles
regular, irregular
concave, convex

3D shapes

3D, three-dimensional

cube
cuboid
pyramid (triangle-based, square-based, pentagon-based, hexagon-based), tetrahedron, polyhedron
sphere, hemisphere, spherical
cone
cylinder, cylindrical
ovoid
triangular prism, pentagonal prism, hexagonal prism

2D shapes

2D, two-dimensional
polygon
circle, circular, semicircle, oval
triangle, triangular
equilateral triangle, isosceles triangle, scalene triangle
square
rectangle, rectangular, oblong
quadrilateral, trapezium, rhombus, kite
pentagon, hexagon, heptagon, octagon

Patterns and Symmetry

size
bigger, larger, smaller
symmetrical
line of symmetry
fold, mirror line, reflection, reflect
pattern, repeating pattern, translation
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, 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
movement, slide, roll
whole turn, half turn, quarter turn, three quarter turn, rotate
right angle
angle, ...is a greater/smaller angle than
acute angle, obtuse angle
straight line
ruler, set square
angle measurer, compasses
stretch, bend



Instructions

listen
 join in
 say
 recite
 think
 imagine
 remember
 start from
 start with
 start at
 look at
 point to
 show me, show your working
 justify
 make a statement
 put, place, fit
 arrange, rearrange
 change, change over
 split, separate
 carry on, continue, repeat
 what comes next?
 predict
 describe the pattern/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
 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
 solve
 investigate
 question
 work out
 answer
 check

General

same number/s
 different number/s
 missing number/s
 place value grid
 number facts
 number pairs
 number bonds
 number line, number track
 number square, hundred square
 number cards
 number grid
 number sentence
 part-whole model
 part
 whole
 bar model
 function machine
 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



Year 5

Number

Counting

number, digit
 count, count (up) to
 count on (from, to)
 count back (from, to)
 more, less, many, few
 odd, even
 every other
 sequence, continue
 pattern, pair, rule, relationship

Place value

ones
 tens, hundreds, thousands
 ten thousand, hundred
 thousand, million
 one-, two-, three- or four-digit
 number
 numeral
 value
 exchange
 partition
 recombine
 'teens' number
 place, place value
 stands for, represents
 equal to
 the same number as, as many as
 \geq , greater than or equal to
 \leq , less than or equal to
 more, larger, bigger, greater,
 increase, ascending
 fewer, smaller, less, decrease,
 descending
 fewest, smallest, least
 most, biggest, largest, greatest
 one, ten, hundred, thousand
 more/less
 compare, order, size
 first, second, third... twentieth
 twenty-first, twenty-second...

last, last but one
 before, after
 next, consecutive
 between, half-way between
 above, below
 negative, positive

Estimation

guess how many, estimate
 predict
 nearly, roughly, close to, about
 approximate, approximately
 \approx , is approximately equal to
 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/
 hundred/ thousand
 integer, positive, negative
 above/below zero, minus

Fractions, Decimals, Percentages, Ratio and Proportion

part, equal parts, fraction
 half, quarter, third, fifth, sixth,
 seventh, eighth, ninth, tenth,
 eleventh, twelfth, twentieth,
 hundredth
 numerator, denominator,
 common denominator
 unit, non-unit
 proper fraction, improper
 fraction
 simplify, simplest fraction
 equivalent, reduced to, cancel
 whole number, integer, mixed
 number

divisor, dividend, quotient
 proportion, in every, for every
 decimal, decimal fraction
 decimal point, decimal place
 tenth, hundredth, thousandth
 ratio
 in every, for every
 to every, as many as
 percentage, per cent, %

Addition and Subtraction

add, more, plus, increase
 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, decrease
 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, sign, is the same as,
 solutions
 tens boundary
 hundreds boundary
 units boundary, tenths boundary
 known fact, fact family, related
 facts
 regroup
 column method
 inverse



Multiplication and Division

total, altogether
 array
 row, column
 lots of, groups of, x, times,
 multiply, multiplied by
 multiple of, multiplication,
 product, repeated addition
 once, twice, three times... ten
 times... times as (big, long, wide...
 and so on)
 times tables
 skip counting
 double, twice
 square number, one squared...
 cube number, one cubed...
 short multiplication, short division
 long multiplication
 half, halve
 equal groups, split
 share, sharing equally, fairly
 each
 half, halves, quarter, quarters
 one each, two each, three each...
 group in pairs, threes... tens
 ÷, divide, division, divided by,
 divided into
 left, left over, remainder
 factor, quotient, divisible by
 inverse
 formula
 prime number
 composite number
 one-step, multi-step
 multiplication facts, division facts
 recall, correspondence

Solving problems

Reasoning about numbers or
 shapes
 pattern, puzzle
 calculate, calculation
 mental calculation
 method, strategy
 jotting
 answer
 right, correct, wrong
 what could we try next?

how did you work it out?
 sign, operation, symbol, equation
 match, prove

**Problems involving 'real life' or
 money**

compare, convert
 money, coin, notes
 penny, pence, pound £
 price, cost, spend, spent
 buy, bought
 sell, sold
 pay, amount
 change, difference
 dear, costs more, more/most
 expensive
 cheap, costs less, cheaper,
 less/least expensive
 costs the same as
 how much...?
 how many...?
 total, value, worth
 discount
 currency
 estimate, over estimate, under
 estimate

Handling Data

count, tally, sort, vote
 survey, questionnaire
 data, database
 graph, block graph, pictogram,
 line graph, dual line graph
 group, set
 list, chart, tally chart, bar chart
 same, different
 table, frequency table, two-way
 table
 represent, interpret
 Carroll diagram, Venn diagram
 label, title, axis, axes, horizontal
 axis, vertical axis
 most popular, most common,
 favourite
 least popular, least common
 mode, range
 maximum/minimum value
 classify, outcome
 symbol, key

information
 scale
 discrete data, continuous data

Probability

fair, unfair
 likely, unlikely, likelihood
 certain, uncertain
 probable, possible, impossible
 chance, good chance
 poor chance, no chance
 risk, doubt

Measurement

Measures general

measure, size, compare
 interval
 convert
 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
 kilometre (km), metre (m),
 centimetre (cm), millimetre (mm)
 mile, inch (in), foot (ft), yard (yd)
 ruler, metre stick, tape measure
 distance apart/between, distance
 to... from...
 edge, perimeter



Mass/Weight

weigh, weighs, balances
heavy/light, heavier/lighter,
heaviest/lightest
kilogram (kg), half-kilogram,
gram (g)
balance, scales, weight
ounce (oz), pound (lb), stone (st)

Capacity/volume

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

Temperature

thermometer
degrees Celsius (°C)

Area

area, covers, surface
square centimetre (cm²), square
metre (m²)
square millimetre (mm²)

Time

days of the week: Monday,
Tuesday...
months of the year: January...
seasons: spring, summer,
autumn, winter
day, week, fortnight, month,
year, leap year, century,
millennium
weekend, birthday, holiday
morning, midday/noon,
afternoon, evening, night,
midnight
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
timetable, arrive, depart
hour, o'clock, half past, quarter
to, quarter past
clock, watch, hand
digital/analogue clock/watch,
timer
calendar, date, date of birth
Roman numerals
second, minute, hour
duration, time taken
24 hours, am, pm
how long ago?
how long will it be to...?
how long will it take to...?
how often?
always, never, often, sometimes,
usually
once, twice

Geometry

Exploring patterns, shape and
space

shape, pattern
flat, line
curved, straight
round
hollow, solid
point, pointed
face, side, edge, end
sort
make, build, draw, sketch
properties
centre, radius, diameter
net
surface
angle, right-angled base, square-
based
congruent
corner, vertex, vertices, right-
angled vertex

layer, diagram
draw accurately, construct
interior angles, exterior angles
regular, irregular
concave, convex

3D shapes

3D, three-dimensional
cube
cuboid
pyramid (triangle-based, square-
based, pentagon-based,
hexagon-based), tetrahedron,
polyhedron, octahedron
sphere, hemisphere, spherical
cone
cylinder, cylindrical
ovoid
triangular prism, pentagonal
prism, hexagonal prism

2D shapes

2D, two-dimensional
polygon
circle, circular, semicircle, oval
triangle, triangular
equilateral triangle, isosceles
triangle, scalene triangle
square
rectangle, rectangular, oblong
quadrilateral, trapezium,
rhombus, kite
pentagon, hexagon, heptagon,
octagon

Patterns and Symmetry

size
bigger, larger, smaller
symmetrical
line of symmetry, reflective
symmetry, axis of symmetry
fold, mirror line, reflection,
reflect
pattern, repeating pattern,
translation
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, 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, three quarter turn
 rotate, rotation
 right angle
 angle, ...is a greater/smaller angle than
 acute angle, obtuse angle, reflex angle
 straight line

ruler, set square
 angle measurer, compasses,
 protractor
 stretch, bend

Instructions

listen
 join in
 say
 recite
 think
 imagine
 remember
 start from
 start with
 start at
 look at
 point to
 show me, show your working
 justify
 make a statement
 put, place, fit
 arrange, rearrange
 change, change over
 split, separate
 carry on, continue, repeat
 what comes next?
 predict
 describe the pattern/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, explain how
 you got your answer, reasoning
 give an example of
 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
 solve
 investigate
 question
 work out
 answer
 check

General

same number/s
 different number/s
 missing number/s
 place value grid
 number facts
 number pairs
 number bonds
 number line, number track
 number square, hundred square
 number cards
 number grid
 number sentence
 part-whole model
 part
 whole
 bar model
 function machine
 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



Year 6

Number

Counting

number, digit
 count, count (up) to
 count on (from, to)
 count back (from, to)
 more, less, many, few
 odd, even
 every other
 sequence, continue
 pattern, pair, rule, relationship

Place value

ones
 tens, hundreds, thousands
 ten thousand, hundred
 thousand, million, ten million
 one-, two-, three- or four-digit
 number
 numeral
 value
 exchange
 partition
 recombine
 'teens' number
 place, place value
 stands for, represents
 equal to
 the same number as, as many as
 \geq , greater than or equal to
 \leq , less than or equal to
 more, larger, bigger, greater,
 increase, ascending
 fewer, smaller, less, decrease,
 descending
 fewest, smallest, least
 most, biggest, largest, greatest
 one, ten, hundred, thousand
 more/less
 compare, order, size
 first, second, third... twentieth
 twenty-first, twenty-second...
 last, last but one

before, after
 next, consecutive
 between, half-way between
 above, below
 negative, positive

Estimation

guess how many, estimate
 predict
 nearly, roughly, close to, about
 approximate, approximately
 \approx , is approximately equal to
 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/
 hundred/ thousand
 integer, positive, negative
 above/below zero, minus

**Fractions, Decimals,
 Percentages, Ratio and
 Proportion**

part, equal parts, fraction
 half, quarter, third, fifth, sixth,
 seventh, eighth, ninth, tenth,
 eleventh, twelfth, twentieth,
 hundredth
 numerator, denominator,
 common denominator
 unit, non-unit
 proper fraction, improper
 fraction
 simplify, simplest fraction
 equivalent, reduced to, cancel
 whole number, integer, mixed
 number
 divisor, dividend, quotient
 proportion, in every, for every

decimal, decimal fraction
 decimal point, decimal place
 recurring
 tenth, hundredth, thousandth
 ratio
 in every, for every
 to every, as many as
 similar, enlarge, enlargement
 scale, map scale, scale factor
 percentage, per cent, %

Addition and Subtraction

add, more, plus, increase
 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, decrease
 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, sign, is the same as,
 solutions
 tens boundary
 hundreds boundary
 units boundary, tenths boundary
 known fact, fact family, related
 facts
 regroup
 column method
 inverse



Multiplication and Division

total, altogether
 array
 row, column
 lots of, groups of, x, times,
 multiply, multiplied by
 multiple of, multiplication,
 product, repeated addition,
 lowest common multiple
 once, twice, three times... ten
 times... times as (big, long, wide...
 and so on)
 times tables
 skip counting
 double, twice
 square number, one squared...
 cube number, one cubed...
 short multiplication, short division
 long multiplication, long division
 half, halve
 equal groups, split
 share, sharing equally, fairly
 each
 half, halves, quarter, quarters
 one each, two each, three each...
 group in pairs, threes... tens
 ÷, divide, division, divided by,
 divided into
 left, left over, remainder
 factor, factorise, highest common
 factor, quotient, divisible by
 inverse
 formula
 prime number, prime factor
 composite number
 one-step, multi-step
 multiplication facts, division facts
 recall, correspondence

Solving problems

Reasoning about numbers or
 shapes
 pattern, puzzle
 calculate, calculation
 mental calculation
 method, strategy
 jotting
 answer

right, correct, wrong
 what could we try next?
 how did you work it out?
 sign, operation, symbol, equation
 match, prove
 order of operations

**Problems involving 'real life' or
 money**

compare, convert
 money, coin, notes
 penny, pence, pound £
 price, cost, spend, spent
 buy, bought
 sell, sold
 pay, amount
 change, difference
 dear, costs more, more/most
 expensive
 cheap, costs less, cheaper,
 less/least expensive
 costs the same as
 how much...?
 how many...?
 total, value, worth
 discount, profit, loss
 currency
 estimate, over estimate, under
 estimate

Handling Data

count, tally, sort, vote
 survey, questionnaire
 data, database
 graph, block graph, pictogram,
 line graph, dual line graph
 group, set
 list, chart, tally chart, bar chart
 pie chart, segment, section
 same, different
 table, frequency table, two-way
 table
 represent, interpret
 Carroll diagram, Venn diagram
 label, title, axis, axes, horizontal
 axis, vertical axis
 most popular, most common,
 favourite
 least popular, least common

mode, range, mean, average,
 median
 statistics, distribution
 maximum/minimum value
 classify, outcome
 symbol, key
 information
 scale
 discrete data, continuous data

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

Algebra

pattern, sequence, rule, term
 algebraic, expression, formula,
 formulae, equation
 substitute
 generalise
 solution, represent, value

Measurement

Measures general
 measure, size, compare
 interval
 convert, conversion table,
 conversion graph
 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



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
kilometre (km), metre (m),
centimetre (cm), millimetre (mm)
mile, inch (in), foot (ft), yard (yd)
ruler, metre stick, tape measure
distance apart/between, distance
to... from...
edge, perimeter, circumference

Mass/Weight

weigh, weighs, balances
heavy/light, heavier/lighter,
heaviest/lightest
tonne, kilogram (kg), half-
kilogram, gram (g)
balance, scales, weight
ounce (oz), pound (lb), stone (st)

Capacity/volume

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

Temperature

thermometer
degrees Celsius (°C)

Area

area, covers, surface
square centimetre (cm²), square
metre (m²), square millimetre
(mm²)

Time

days of the week: Monday,
Tuesday...

months of the year: January...
seasons: spring, summer, autumn,
winter
day, week, fortnight, month, year,
leap year, century, millennium
weekend, birthday, holiday
morning, midday/noon,
afternoon, evening, night,
midnight
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
timetable, arrive, depart
hour, o'clock, half past, quarter to,
quarter past
clock, watch, hand
digital/analogue clock/watch,
timer
calendar, date, date of birth
Roman numerals
second, minute, hour
duration, time taken
24 hours, am, pm
Greenwich Mean Time, British
Summer 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

Geometry

Exploring patterns, shape and
space
shape, pattern
flat, line
curved, straight
round

hollow, solid
point, pointed
face, side, edge, end
sort
make, build, draw, sketch
properties
centre, radius, diameter,
circumference
net
surface
angle, right-angled base, square-
based
congruent
corner, vertex, vertices, right-
angled vertex
layer, diagram
draw accurately, construct
interior angles, exterior angles
regular, irregular
concave, convex
tangram

3D shapes

3D, three-dimensional
cube
cuboid
pyramid (triangle-based, square-
based, pentagon-based, hexagon-
based), tetrahedron, polyhedron,
octahedron, dodecahedron
sphere, hemisphere, spherical
cone
cylinder, cylindrical
ovoid
triangular prism, pentagonal
prism, hexagonal prism

2D shapes

2D, two-dimensional
polygon
circle, circular, semicircle, oval
triangle, triangular
equilateral triangle, isosceles
triangle, scalene triangle
square
rectangle, rectangular, oblong
quadrilateral, trapezium,
rhombus, kite, parallelogram
pentagon, hexagon, heptagon,
octagon



Patterns and Symmetry

size, bigger, larger, smaller
 symmetrical
 line of symmetry, reflective
 symmetry, axis of symmetry
 fold, mirror line, reflection, reflect
 pattern, repeating pattern,
 translation
 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, 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,
 three quarter turn
 rotate, rotation
 right angle
 angle, ...is a greater/smaller angle
 than
 acute angle, obtuse angle, reflex
 angle
 straight line
 ruler, set square
 angle measurer, compasses,
 protractor
 stretch, bend

Instructions

listen, join in, say, recite
 think, imagine
 remember
 start from, start with
 start at, look at
 point to
 show me, show your working
 justify
 make a statement
 put, place, fit
 arrange, rearrange
 change, change over
 adjusting, adjust
 split, separate
 carry on, continue, repeat
 what comes next?
 predict
 describe the pattern/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, explain how
 you got your answer, reasoning
 give an example of

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, solve
 investigate, interrogate (data),
 question, prove
 work out, answer
 check

General

same number/s, identical
 different number/s
 missing number/s
 place value grid
 number facts
 number pairs, number bonds
 number line, number track
 number square, hundred square
 number cards
 number grid
 number sentence
 part-whole model
 part, whole
 bar model
 function machine
 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