# Settle Primary School

# Mathematical Vocabulary
# Years 1 - 6

This document should be referred to as a core list of essential words and phrases. It also allows you to track backwards to support less able pupils and forwards to support more able pupils with good differentiated learning.

The checklists are not intended to be exhaustive; you can add more words if you would like to do so.

The pages for each year cover mathematical vocabulary relating to the National Curriculum for Mathematics 2014 which is organised according to its four strands:
- Number
- Measurement
- Geometry
- Statistics

Plus additionally for Year 6:
- Ratio & Proportion
- Algebra

Using and Applying Mathematics is integrated throughout.

The words listed for each year include vocabulary from the previous year. Some words may appear under different strands in different years, as their meaning is expanded or made more specific.

Class teachers can use these lists to identify the vocabulary relating to a series of lessons they are planning. They can make provision for the introduction of new vocabulary and the consolidation of familiar terms. They can ask support staff and parents to emphasise this vocabulary for an appropriate period.

There are clear expectations set out in the National Curriculum in relation to the use of the vocabulary, its link to spelling and standards to be met by the end of each stage of learning (Year 2, Year 4 and Year 6)

<u>Key questions to support reasoning, problem solving and encourage use of mathematical vocabulary.</u>

What's the same?

What's different?

Can you prove it to me?

What could you use to show me?

How did you work it out?

What other method/s could you use?

Why did you choose to do it that way?

How would you...?

How do you know?

# The Skill of Questioning

Children cannot learn the meanings of words in isolation. The use of questions is crucial in helping them to understand mathematical ideas and use mathematical terms correctly.

It is important to ask questions in different ways so that children who do not understand the first time may pick up the meaning subsequently. Pupils for whom English is an additional language benefit and so will others who are not always familiar with the vocabulary and grammatical structures used in school.

It is easy to use certain types of questions — those that ask the listener to recall and apply facts — more often than those that require a higher level of thinking. If you can use the full range of question types you will find that children begin to give more complex answers in which they explain their thinking.

# Types of Question

Recalling Facts
- What is 3 add 7?
- How many days are there in a week?
- How many centimetres are there in a metre?
- Is 31 a prime number?

Applying Facts
- Tell me two numbers that have a difference of 12.
- What unit would you choose to measure the width of the table?
- What are the factors of 42?

Hypothesising or Predicting
- Estimate the number of marbles in this jar.
- If we did our survey again on Friday, how likely is it that our graph would be the same?
- Roughly, what is 51 times 47?
- How many rectangles in the next diagram?
- And the next?

Designing and Comparing Procedures
- How might we count this pile of sticks?
- How could you subtract 37 from 82?
- How could we test a number to see if it is divisible by 6?
- How could we find the 20th triangular number?
- Are there other ways of doing it?

Interpreting Results
- So what does that tell us about numbers that end in 5 or 0?
- What does the graph tell us about the most common shoe size?
- So what can we say about the sum of the angles in a triangle?

Applying Reasoning
- The seven coins in my purse total 23p. What could they be?
- In how many different ways can four children sit at a round table?
- Why is the sum of two odd numbers always even?

On this and the following page are further examples of questions to help you promote good dialogue and interaction in mathematics lessons.

Below are examples of closed questions with just one correct answer and open questions which have a number of different correct answers. Open questions give more children a chance to respond and they often provide a greater challenge for higher attaining pupils, who can be asked to think of alternative answers and, in suitable cases, to count all the different possibilities.
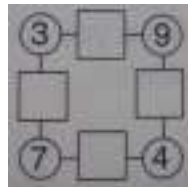
## Closed Questions

Count these cubes.

A chew costs 3p. A lolly costs 7p. What do they cost altogether?

What is 6 – 4?

What is 2 + 6 – 3?

Is 16 an even number?

Write a number in each box so that it equals the sum of the two numbers on each side of it.



Copy and complete this addition table:



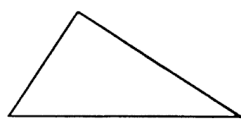What are four threes?

What is 7 x 6?

How many centimetres are there in a metre?
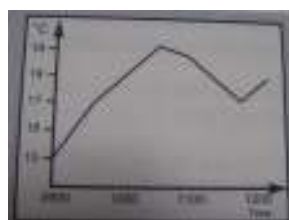
Continue the sequence 1, 2, 4...

What is one fifth add four fifths?

What is 10% of 300?

What is this shape called?



This graph shows the room temperature on 19th May. What was the temperature at 10.00am?



## Open Questions

How could we count these cubes?

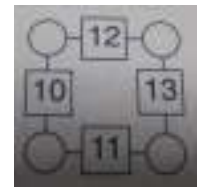A chew and a lolly cost 10p altogether. What could each sweet cost?

Tell me two numbers with a difference of 2.

What numbers can you make with 2, 3 and 6? What even numbers lie between 10 and 20?

Write a number in each circle so that the number in each box equals the sum of the two numbers on each side. Find different ways of doing it.



Find different ways of completing this table:

Tell me two numbers with a product of 12.

If 7 x 6 = 42, what else can you work out?
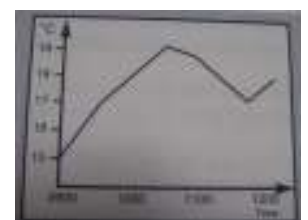
Tell me two lengths that together make one metre.

Find ways of continuing this sequence: 1, 2, 4...

Write eight different ways of adding two numbers to make one.

Find ways of completing:____% of____= 30 Sketch some different triangles.

This graph shows the room temperature on 19th May. Can you explain it?

# Mathematical Vocabulary Checklists
## Year 1 to Year 6

# Year 1

## Number & Place Value

number
zero, one, two, three… to twenty and beyond
zero, ten, twenty… one hundred
none
how many…?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos… tens… more,
less, many, few
odd, even
every other
how many times?
pair
its, ones
tens
exchange
digit
'teens' number
the same number as, as many as
equal to

*Of two objects/amounts:*
- greater, more, larger, bigger
- less, fewer, smaller

*Of three or more objects/amounts:*
- greatest, most, biggest, largest
- least, fewest, smallest
- one more, ten more
- one less, ten less
- compare
- order
- size
- first, second, third… tenth, eleventh… twentieth
- last, last but one
- before, after
- next
- between, half-way between

## Number – Addition & Subtraction

+, add, more, plus
make, sum, total
altogether, =, equals
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/
how many have gone?
one less, two less, ten less…
how many fewer is… than…?
how much less is…?  difference
between
half, halve
number bonds

## Number – Multiplication & Division

count in 2, 5, 10
array
=, equals, sign
 is the same as
grouping, sharing
doubling
fraction

## Estimating

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

## Solving

## Problems put
together
add
altogether
total
take away
distance between, difference between
more than, less than
puzzle
answer
right, wrong
what could we try next?
how did you work it out?
count out, share out, left, left over
number sentence
sign, operation

## Number –

## Fractions half, ½
quarter, ¼
half a length, quantity, set of objects, shape
two equal parts
four equal parts
whole

## Measurement – General

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

## Measurement -

## Capacity

full
half full
empty
holds
container

## Measurement - Time

time
days of the week: Monday, Tuesday…
seasons: spring, summer, autumn, winter
day, week, month, year
weekend, birthday, holiday
morning, afternoon, evening
night, midnight
bedtime, dinnertime, playtime
today, yesterday, tomorrow
before, after
next, last
now, soon, early, late
quick, quicker, quickest, quickly
fast, faster, fastest
slow, slower, slowest, slowly
old, older, oldest
new, newer, newest
takes longer, takes less time
hours, minutes, seconds
o'clock, half past
clock, watch, hands
how long ago?
how long will it be to…?
how long will it take to…?
how often?
always, never, often, sometimes, usually
once, twice

## Position, Direction & Movement

Position
Over, under, underneath
Above, below
Top, middle, bottom, side
On, in
Outside, inside
Around
In front, behind
Front, back
Before, after
Beside, next to
Opposite
Apart
Between
Middle, edge
Centre
Corner
Direction
Journey
Left, right
Up, down
Forwards, backwards, sideways
Across
Close, far, near
Along
Through
To, from, towards, away from
Movement
Slide
Roll
Turn, whole turn, half turn, quarter turn, three quarter turn
Stretch, bend
Clockwise

## Measurement – Shape & Space

Shape, pattern
Flat
Curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end
Sort
Make, build, draw

*3D Shapes*
Cube
Cuboid
Pyramid
Sphere
Cone
Cylinder

*2D Shapes*
circle
triangle
square
rectangle
star

## Measurement - 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

## Measurements - Mass

Weigh, weighs, balances
Heavy/light, heavier/lighter, heaviest/lightest
Balance, scales, weight

## Patterns & Symmetry

Size
Bigger, larger, smaller
Symmetrical
Pattern
Repeating patter
Match

## Instructions

Listen
Join in
Say
Think
Imagine
Remember
Start from
Start with
Start at
Look at
Point to
Show me
Put, place
Fit
Arrange, rearrange
Change, change over
Split, separate
Carry on, continue
Repeat
What comes next?
Find
Choose
Collect
Use
Make
Build
Tell me
Describe
Pick out
Talk about
Explain
Show me
Read
Write
Record
Trace
Copy
Complete
Finish, end
Fill in
Shade
Colour
Tick, cross
Draw
Draw a line between
Join (up)
Ring
Arrow
Cost
Count
Work out
Answer
check

## General

Same number /s
Different number / s
Missing number /s
Number facts
Number line, number track
Number square
Number cards
Abacus
Counters, cubes, blocks, rods
Die, dice
Dominoes
Pegs, peg board
Same way, different way
Best way, another way
In order, in a different order
Not
All, every, each

# Year 2

## Counting, Properties of Numbers and Number Sequences
Number
zero, one, two, three… to twenty and beyond
zero, ten, twenty… one hundred
zero, one hundred, two hundred……..one thousand
none
how many…?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos,  threes, fours, fives……..
count in tens
more, less, many, few
tally
odd, even
every other
how many times?
Multiple of
Sequence
Continue
Predict
Pattern, pair, rule

## Place, Value and Ordering
Units, ones
Tens, hundreds
Digit
One-, two- or three-digit number
'teens' number
Place, place value, place holder
Stands for, represents
Exchange
The same number as, as many as
Equal to
**Of two objects/amounts:**
- G, Greater, more, larger, bigger,
- q, less, fewer,  smaller

**Of three of more objects/amounts:**
- Greatest, most, biggest, largest
- Least, fewest, smallest
- One more, ten more
- One less, ten less
- Compare
- Order
- Size
- First, second, third…….tenth…….twentieth
- Twenty-first, twenty-second……
- Last, last but one
- Before, after
- Next
- Between, half-way between
- Above, below

## Estimating
Guess how many, estimate
Nearly, roughly, close to
About the same as
Just over, just under
Exact, exactly
Too many, too few, enough, not enough
Round, nearest, round to the nearest ten

## Fractions
Part, equal parts
Fraction
One whole
One half, two halves
One quarter, two…. Three……four quarter
One third
Non-unit fraction

## Calculations - Addition & Subtraction
+, add, addition, more, plus
Make, sum, total
Altogether
Score
Double, near double
One more, two more….. ten more…… one hundred more
How many more to make?
How many more is … than …. ?
How much more is …..?
-, subtract, subtraction, take (away), minus
Leave, how many are left / left over?
One less, two less…… ten less………. One hundred less
How many fewer is …. Than ……?
How much less is …….?
Difference between
Half, halve
=, equals, sign, is the same
as  Tens boundary

## Calculations – Multiplication &
Lots of, groups of
Multiplication / division facts
X, times, multiply, multiplied by
Multiple of
Once. Twice, three times …….. ten times …..
Times as (big, long, wide….. and so on)
Repeated addition
Array
Row, column
Double, halve
Share, share equally
One each, two each, three each …..
Group in pairs, threes ……. Tens
Equal groups of
÷, divide, divided by, divided into
Left, left over

## Solving Problems – Making Decisions and Reasoning

Pattern, puzzle
Calculate, calculation
Mental calculation
Jotting
Answer
Right, correct, wrong
What could we try next?
How did you work it
out? Number sentence
Sign, operation, symbol

## Organising & Using Data

Count, tally, sort vote
Graph, block graph, pictogram
Represent
Group, set
Same, different
List, table
Label, title
Most popular, most common
Least popular, least common
Totalling
Simple ratios 2,5,10

## Measurement - Mass

Weigh, weighs, balances
Heavy/light, heavier/lighter, heaviest/lightest
Kilogram (kg), half-kilogram, gram (g)
Balance, scales, weight
Scales

## Measurement - Time

Time
Days of the week: Monday, Tuesday…….
Months of the year: January, February, March………
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, slowest, slowly
Old, older, oldest
New, newer, newest
Takes longer, takes less time
How long ago? How long will it be to….?
How long will it take to…..?
Hour, minute, second
O'clock, half past, quarter to, quarter past
Clock, watch, hands
Digital/analogue clock/watch, timer
How often?
Always, never, often, sometimes, usually
Once, twice

## Money

Coin
Penny, pence (p), pound (£)
Price, cost
But, bought, sell, sold
Spend, spent
Pay
Change
Cheap, costs less, cheaper
How much….? How many…….?
total

## Measurement - General

Measure
Size
Compare
Measuring scale
Guess, estimate
Enough, not enough
Too much, too little
Too many, too few
Nearly, roughly, about, close to, about the same as
Just over, just under
Temperature (°c)
Thermometer

## Measurement - 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 Half
as high, twice as wide

## Measurement - Capacity

Full, half full
Empty
Holds, contains
Litre (l), half-litre, millilitre (ml)
Container
Volume

## Measurement - Shape & Space

Shape, pattern
Flat, curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end, vertices
Sort
Make, build, draw
Surface
Quadrilateral, polygon,

*3D Shapes*
Cube
Cuboid
Pyramid
Sphere
Cone
Cylinder
Prism

*2D Shapes*

Circle, circular
Triangle, triangular
Square
Rectangle, rectangular
Star
Pentagon
Hexagon
octagon

## Measurements – Patterns & Symmetry
Size
Bigger, larger, smaller
Symmetrical
Line of symmetry
Fold
Match
Mirror line, reflection
Pattern, repeating pattern

## Position, Direction & Movement
Position
Direction
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
Rotation

## 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

## General
Same, different
Missing number/s
Number facts
Number pairs
Number bonds
Number line, number track
Number square, hundred square
Number cards
Number grid
Abacus
Counters, cubes, blocks, rods
Die, dice
Dominoes
Pegs, peg boards
Geo-strips
Same way, different way

Change, change over
Split
Separate
Carry on, continue
Repeat
What comes next?
Predict
Describe the pattern
Describe the rule
Find, find all, find different
Investigate
Choose
Decide
Collect
Use make build
Tell me
Describe
Name Pick
out
Discuss
Talk
about
Explain
Explain your method
explain how you got your answer
give an example of
show how you
read
write
record
write in figures
present
represent trace
copy
complete
finish, end
fill in
shade, colour
label
tick, cross
draw
draw a line between
join (up)
ring arrow
cost, count, tally
calculate
work out
solve
answer
check
recognise
combine
order
interpret
collate

Best way, another way
In order, in a different order
Not
All, every, each
Partition
Commutative
Equivalence

# Year 3

## Counting, Properties of Numbers & Number

Number
zero, one, two, three... to twenty and beyond
zero, ten, twenty... one hundred
zero, one hundred, two hundred........one thousand
none
how many...?
count, count (up) to
count on (from, to)
count back (from, to)
count in ones, twos,  threes, fours, fives........
count in tens, hundreds
count in multiples of 4, 8, 50,
100  more, less, many, few
tally
odd, even
every other
how many times?
Multiple of
Sequence
Continue
Predict
Pattern, pair, rule
Relationship
Numerals

## Place, Value & Ordering

Units, ones
Tens, hundreds
Digit
One-, two- or three-digit number
'teens' number
Place, place value
Stands for, represents
Exchange
The same number as, as many as
Equal to
*Of two objects/amounts:*
- G, Greater, more, larger, bigger,
- q, less, fewer,  smaller

*Of three of more objects/amounts:*
- Greatest, most, biggest, largest
- Least, fewest, smallest
- One more, ten more, one hundred more
- One less, ten less, one hundred less
- Compare
- Order
- Size
- First, second, third.......tenth.......twentieth
- Twenty-first, twenty-second......
- Last, last but one
- Before, after
- Next
- Between, half-way between
- Above, below

## Estimating

Guess how many, estimate
Nearly, roughly, close to
Approximate, approximately
About the same as
Just over, just under
Exact, exactly
Too many, too few, enough, not enough
Round (up or down)
nearest, round to the nearest ten

## Fractions

Part, equal parts
Fraction
One whole
One half, two halves
One quarter, two.... Three......four quarter
One third, two thirds, three thirds
One tenth
Unit, non-unit fractions
Denominator

## Calculations – Addition & Subtraction

+, add, addition, more, plus
Make, sum, total
Altogether
Score
Double, near double
One more, two more..... ten more...... one hundred more
How many more to make?
How many more is ... than .... ?
How much more is .....?
Three-digit number and ones, tens, hundreds
-, subtract, subtraction, take (away), minus
Leave, how many are left / left over?
One less, two less...... ten less.......... One hundred less
How many fewer is .... Than ......?
How much less is .......?
Difference between
Half, halve
=, equals, sign, is the same as
Tens boundary, hundreds boundary
Columnar addition, subtraction

## Calculations – Multiplication &

Lots of, groups of
X, times, multiply, multiplication, multiplied by
Multiple of, product
Once, Twice, three times ........ ten times .....
Times as (big, long, wide..... and so on)
Repeated addition
Array
Row, column
Double, halve
Share, share equally
One each, two each, three each .....
Group in pairs, threes ....... Tens
Equal groups of
÷, divide, division, divided by, divided into
Left, left over, remainder
Positive integer scaling problems

Inverse operations
Partitioning

## Solving Problems – Making Decisions &

Pattern, puzzle
Calculate, calculation
Mental calculation
Method
Jotting
Answer
Right, correct, wrong
What could we try next?
How did you work it
out? Number sentence
Sign, operation, symbol, equation

## Handling Data

Count, tally, sort, vote
Graph, block graph, pictogram
Represent
Group set
List, chart, bar chart
Table. Frequency table
Carroll diagram, venn diagram
Label, title, axis, axes
Diagram
Most popular, most common
Least popular, least common
How many more……? How many fewer ……?

## Measurement - Length

Length, width, height, depth
Long, short, tall, high, low
Wide, narrow, deep, shallow, thick, thin
Longer, shorter, taller, higher….. and so on
Longest, shortest, tallest, highest …. And so on
Far, further, furthest, near, close,
Distance apart/between, distance to…../from……
Kilometre (km),Metre (m), centimetre (cm) millimetre (mm), mile
Ruler, metre stick, tape measure

## Measurements - Capacity

Capacity, volume
Full, half
full Empty
Holds, contains
Litre (l), half-litre, millilitre (ml)
container

## Money

Money
Coin, note
Penny, pence, pound (£)
Price, cost
But, bought, sell, sold
Spend, spent
Pay
Change
Dear, costs more, more/most expensive   Cheap,
costs less, cheaper, less/least expensive  How
much….? How many…….?
Total, amount
Value, worth

## Measurement - General

Measure
Size
Compare
Measuring scale, division
Guess, estimate
Enough, not enough
Too much, too little
Too many, too few
Nearly, roughly, about, close to, about the same as, approximately
Just over, just under

## Measurements  – Mass

Weigh, weighs, balances
Heavy / light, heavier / lighter, heaviest / lightest
Kilogram (kg), half kilogram, gram (g)
Balance, scales, weight

## Measurements - Time

Time
Days of the week: Monday, Tuesday…….
Months of the year: January, February, March………
Seasons: spring, summer, autumn, winter
Day, week, fortnight, month, year, leap year
Weekend, birthday, holiday
Calendar, date
Morning, afternoon, evening, night, noon, midnight
Am, pm
Bedtime, dinnertime, playtime
Today, yesterday, tomorrow
Before, after
Next, last
Now, soon, early, late, earliest, latest
Quick, quicker, quickest, quickly
Fast, faster, fastest
Slow, slower, slowest, slowly
Old, older, oldest
New, newer, newest
Takes longer, takes less time
How long ago? How long will it be to….?
How long will it take to…..?
Hour, minute, second
O'clock, half past, quarter to, quarter past
Clock, watch, hands

Digital/analogue clock/watch, timer
Roman numerals
How often?
Always, never, often, sometimes, usually
Once, twice

## Measurements – Shape & Space

Shape, pattern
Flat, curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end
Sort
Make, build, draw
Surface
Right-angled
Vertex, vertices
Layer, diagram
Perimeter
Turn
Perpendicular, parallel
Acute, obtuse
Polygon, polyhedra

## Measurement – Patterns &

Size
Bigger, larger, smaller
Symmetrical
Line of symmetry
Fold
Match
Mirror line, reflection
Pattern, repeating pattern

_3D_
_Shapes_
Cube
Cuboid
Pyramid
Sphere, hemi - sphere
Cone
Cylinder
Prism

_2D Shapes_
Circle, circular, semi - circle
Triangle, triangular
Square
Rectangle, rectangular
Star
Pentagon, pentagonal
Hexagon, hexagonal
Octagon, octagonal

## Position, Direction & 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

## 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

Up, down
Higher, lower
Forwards, backwards, sideways
Across
Close, far, near
Along
Through
To, from, towards, away from
Ascend, descend
Grid
Row, column
Clockwise, anti-clockwise
Compass point
North, south, east, west (N, S, E, W)
Horizontal, vertical
diagonal
Movement
Slide
Roll
Whole turn, half turn, quarter turn
Angle, ….is a greater / smaller angel than
Right angle
Straight line
Stretch, bend

Repeat
What comes next?
Predict
Describe the pattern
Describe the rule
Find, find all, find different
Investigate
Choose
Decide
Collect
Use
Make
Build
Tell me
Describe
Name
Pick out
Discuss
Talk
about
Explain
Explain your method
explain how you got your answer
give an example of
show how you
show your working
read
write
record
write in figures
present
represent
interpret
identify
trace copy
complete
finish, end
fill in
shade, colour
label
tick, cross
draw, sketch
draw a line between
join (up)
ring
arrow
cost, count, tally
calculate
work out
solve
investigate
question
answer
check

## General
Same, different
Missing number/s
Number facts, Number pairs, Number bonds
Greatest value, least value
Number line, number track
Number square, hundred square
Number cards
Number grid
Abacus
Counters, cubes, blocks, rods

Die, dice
Dominoes
Pegs, peg board
Geo-strips
Same way, different way
Best way, another way
In order, in a different order
Not
All, every, each

# Year 4

## Place value, Ordering & Rounding

Units, ones
Tens, hundreds, thousands
Ten thousand, hundred thousand, million
Digit, one-, two-, three- or four –digit number
Numeral
'teens' number
Place, place value
Stands for, represents
Exchange
The same number as, as many as
Equal to
Roman numerals to 100 (I to C)

### Of two objects / amounts:
- G, greater than, more than, larger than, bigger than
- q, less than, fewer than, smaller than

### Of three or more objects / amounts:
- Greatest, most, largest, biggest
- Least, fewest, smallest
- One.... Ten..... one hundred........ one thousand more / less
- Compare, order, size
- First....... tenth..... twentieth
- Last, last but one
- Before, after
- Next
- Between, half-way between
- Guess how many, estimate
- Nearly, roughly, close to, about the same as
- Approximate, approximately
- Just over, just under
- Exact, exactly
- Too many, too few, enough, not enough
- Round (up or down), nearest
- Round to the nearest ten
- Round to the nearest hundred
- Round to the nearest thousand
- Integer, positive, negative
- Above / below zero, minus

## Fractions & Decimals

part, equal parts
fraction, equivalent fraction
non-unit fraction
one whole
half, quarter, eighth
third, sixth
fifth, tenth, twentieth
ones, tenths, hundredths
proportion, in every, for every
decimal, decimal fraction, decimal equivalent
decimal point, decimal place
denominator

## Calculations – Multiplication & Division

Lots of, groups of
Times, multiply, multiplication, multiplied by
Multiple of, product
Once, Twice, three times …….. ten times …..

## Properties of Numbers & Number Sequences

Number, count, how many…..?
Odd, even
Every other
How many times?
Count in multiples of 6,7,9,25 and
1000  Multiple of
Digit
Next, consecutive
Sequence
Continue
Predict
Pattern, pair, rule
Relationship
Sort, classify, property

## Calculations – Addition & Subtraction

Add, addition, more, plus, increase
Sum, total, altogether
Score
Double, near double
How many more to make?
Subtract, subtraction, take (away), minus, decrease
Leave, how many are left / left over?
Difference between
Half, halve
How many more / fewer is….. than….?
How much more / less is…….?
Equals, sign, is the same as
Tens boundary, hundreds boundary
Inverse
Columnar addition, subtraction

## Solving Problems – Making Decision &

Pattern, puzzle
Calculate, calculation
Mental calculation
Method

Times as (big, long, wide….. and so on)
Repeated addition
Array
Row, column
Double, halve
Share, share equally
One each, two each, three each …..
Group in pairs, threes ……. Tens
Equal groups of
Divide, division, divided by, divided into
Remainder
Factor, quotient, divisible by
Inverse
Inter scaling problems

Jotting
Answer
Right, correct, wrong
What could we try next?
How did you work it
out? Number sentence
Sign, operation, symbol, equation

## Money
Money
Coin, note
Penny, pence, pound (£)
Price, cost
But, bought, sell, sold
Spend, spent
Pay
Change
Dear, costs more, more/most expensive   Cheap,
costs less, cheaper, less/least expensive  How
much….? How many…….?
Total, amount
Value, worth

## Handling Data
Count, tally, sort, vote
Survey, questionnaire, data
Graph, block graph, pictogram, time graph
Represent
Group set
List, chart, bar chart, tally
chart  Table, Frequency table
Carroll diagram, venn diagram
Label, title, axis, axes
Diagram
Most popular, most common
Least popular, least common
Solve, comparison, sum

## Measurements - General
Measure, measurements
Size
Compare
Unit, standard unit
Metric unit, imperial unit
Measuring scale, division
Guess, estimate
Enough, not enough
Too much, too little
Too many, too few
Nearly, roughly, about, close to
About the same as, approximately
Just over, just under
Rectilinear

## Measurements - Length
Length, width, height, depth, breadth
Long, short, tall, high, low
Wide, narrow, deep, shallow, thick, thin
Longer, shorter, taller, higher….. and so on
Longest, shortest, tallest, highest …. And so on
Far, further, furthest, near, close,
Distance apart/between, distance to…../from……
Edge, perimeter
Kilometre (km),Metre (m), centimetre (cm), millimetre (mm), mile
Ruler, metre stick, tape measure

## Measurements - Mass
Mass: big, bigger, small, smaller, balances
Weigh: Heavy / light, heavier / lighter, heaviest / lightest
Weigh, weighs
Kilogram (kg), half kilogram, gram (g)
Balance, scales

## Measurements - Capacity
Capacity
Full, half
full Empty
Holds, contains
Litre (l), half-litre, millilitre (ml)
pint
container, measuring cylinder

## Measurements - Time
Time
Days of the week: Monday, Tuesday……..
Months of the year: January, February, March………
Seasons: spring, summer, autumn, winter
Day, week, fortnight, month, year, leap year, century, millennium
Weekend, birthday, holiday
Calendar, date, date of birth
Morning, afternoon, evening, night
Am, pm, noon, midnight
Today, yesterday, tomorrow
Before, after, Next, last
Now, soon, early, late, earliest, latest
Quick, quicker, quickest, quickly

## Measurements - Area
Area, covers, surface
Square centimetre (cm²)
Perimeter

Fast, faster, fastest, Slow, slower, slowest, slowly
Old, older, oldest, New, newer, newest
Takes longer, takes less time
How long ago? How long will it be
to….? How long will it take to…..?
Timetable, arrive, depart
Hour, minute, second
O'clock, half past, quarter to, quarter past
Clock, watch, hands
Digital/analogue clock/watch, timer
How often?
Always, never, often, sometimes, usually
Roman numerals

## Measurements – Shape & Space

Shape, pattern
Flat, line
curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end
Sort
Make, build, draw, sketch
Centre, radius, diameter
net
Surface
Angle, Right-angled
Base, square based
Vertex, vertices
Layer, diagram
Regular, irregular
Concave, convex
Open, closed
Geometric shape
Acute, obtuse
Regular/irregular
polygon

### 3D Shapes
3D, three-dimensional
Cube
Cuboid
Pyramid
Sphere, hemi – sphere, spherical
Cone
Cylinder, cylindrical
Prism
Tetrahedron, polyhedron

### 2D Shapes
2D, two-dimensional
Circle, circular, semi - circle
Triangle, triangular
Equilateral triangle, isosceles triangle, scalene
Square
Rectangle, rectangular, oblong
Pentagon, pentagonal
Hexagon, hexagonal
heptagon
Octagon, octagonal
Quadrilateral
Parallelogram, rhombus, trapezium

## Measurements – Patterns &

Size
Bigger, larger, smaller
Symmetrical
Line of symmetry, Line symmetry
Fold
Match
Mirror line, reflection, reflect
Pattern, repeating pattern, translation

## Position, Direction & Movement

Position
Over, under, underneath Above,
below, top, bottom, side On, in,
outside, inside, around In front,
behind, front, back Before,
after, beside, next to Opposite,
apart
Between, middle, edge, centre
Corner
Direction
Journey, route, map, plan
Left, right
Up, down, higher, lower
Forwards, backwards, sideways, across
Close, far, near
Along, through, to, from, towards, away from
Ascend, descend
Grid
Row, column
Origin, coordinates
Clockwise, anti-clockwise
Compass point, north, south, east, west (N, S, E, W)
North-east, north-west, south-east, south-west (NE, NW, SE,SW)
Horizontal, vertical, diagonal
Movement
Slide, roll
Whole turn, half turn, quarter turn, rotate
Angle, ….is a greater / smaller angel than
Right angle
Degree
Straight line
Stretch, bend
Ruler, set square
Angle measurer, compasses
Quadrant

## General

Same, different
Missing number/s
Number facts, Number pairs, Number bonds
Greatest value, least value
Number line, number track
Number square, hundred square
Number cards, number grid
Abacus
Counters, cubes, blocks, rods
Die, dice
Dominoes
Pegs, peg board
Geo-strips
Same way, different way
Best way, another way
In order, in a different order
Not
All, every, each

## Instructions

Listen, join in, say, recite
Think, imagine, remember
Start from, start with, start
at Look at, point to, show
me Put, place
Arrange, rearrange
Change, change over
Split, separate
Carry on, continue, repeat
What comes next?, predict
Describe the pattern, describe the rule
Find, find all, find different
Investigate
Choose, decide
Collect
Use, make ,build, construct
Tell me, describe, name, pick out
Discuss, talk about
Explain
Explain your method
explain how you got your answer
give an example of
show how you
show your working
justify
make a statement
read, write, record
write in figures
present, represent
interpret
trace, copy
complete, finish, end
fill in, shade, colour
label, plot
tick, cross
draw, sketch
draw a line between, join (up), ring, arrow
cost, count, tally
calculate, work out, solve
investigate, question
answer
check

# Year 5

## Place Value, Ordering & Rounding

Units, ones
Tens, hundreds, thousands
Ten thousand, hundred thousand, million
Digit, one-, two-, three- or four –digit number
Numeral
'teens' number
Place, place value
Stands for, represents
Exchange
The same number as, as many as
Equal to
Roman numerals to 1000 (M)

### Of two objects / amounts:
- G, greater than, more than, larger than, bigger than
- q, less than, fewer than, smaller than,

### Of three or more objects / amounts:
- Greatest, most, largest, biggest
- Least, fewest, smallest
- One…. Ten….. one hundred…….. one thousand more / less
- Compare, order, size
- Ascending / descending order
- First…… tenth….. twentieth
- Last, last but one
- Before, after, next
- Between, half-way between
- Guess how many, estimate
- Nearly, roughly, close to, about the same as
- Approximate, approximately
- Just over, just under
- Exact, exactly
- Too many, too few, enough, not enough
- Round (up or down), nearest
- Round to the nearest ten / hundred
- Round to the nearest thousand / ten thousand
- Round to the nearest million
- Integer
- Positive, negative
- Above / below zero, minus

## Properties of Numbers & Number

Number, count, how many…..?
Odd, even
Every other
How many times?
Multiple of
Digit
Next, consecutive
Sequence, linear number sequence
Continue
Predict
Pattern, pair, rule
Relationship
Sort, classify, property
Formula
Divisible (by), divisibility, factor
Square number
One squared, two squared…… (12, 22….)

## Fractions, Decimals, Percentages, Ratio &

part, equal parts
fraction, proper / improper fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel
one whole
half, quarter, eighth
third, sixth, ninth, twelfth
fifth, tenth, twentieth, hundredth, thousandths
proportion, ratio
in every, for every
to every, as many
as
decimal, decimal fraction
decimal point, decimal place
percentage, per cent, %

## Calculations – Addition & Subtraction

Add, addition, more, plus, increase
Sum, total, altogether
Score
Double, near double
How many more to make?
Subtract, subtraction, take (away), minus, decrease
Leave, how many are left / left over?
Difference between
Half, halve
How many more / fewer is….. than….?
How much more / less is…….?
Equals, sign, is the same as
Tens boundary, hundreds boundary
Units boundary, tenths boundary
Inverse
Columnar addition, subtraction

## Calculations – Multiplication & Division
Lots of, groups of
Times, multiply, multiplication, multiplied by
Multiple of, product
Once, Twice, three times …….. ten times …..
Times as (big, long, wide….. and so on)
Repeated addition
Array
Row, column
Double, halve
Share, share equally
One each, two each, three each …..
Group in pairs, threes ……. Tens
Equal groups of
Divide, division, divided by, divided into
Remainder
Factor, quotient, divisible by
Inverse
Prime number, prime factor, composite (non-prime)
Square ($^2$), cubed ($^3$)

## Solving Problems – Making Decisions &
Pattern, puzzle
Calculate, calculation
Mental calculation
Method
Jotting
Answer
Right, correct, wrong
What could we try next?
How did you work it
out? Number sentence
Sign, operation, symbol, equation

## Handling Data
Count, tally, sort, vote
Survey, questionnaire
Data, database
Graph, block graph, line graph, time graph
Pictogram
Represent
Group set
List, chart, bar chart, bar line
chart  Tally chart
Table, Frequency table
Carroll diagram, venn diagram
Label, title, axis, axes
Diagram
Most popular, most common
Least popular, least common
Mode, range
Maximum / minimum value
Classify, outcome
Comparison, sum

## Measurements - General
Measure, measurements
Size
Compare
Unit, standard unit
Metric unit, imperial unit
Measuring scale, division
Guess, estimate
Enough, not enough
Too much, too little

## Using a Calculator
Calculator
Display, key, enter, clear
constant

## Money
Money
Coin, note
Penny, pence, pound (£)
Price, cost
But, bought, sell, sold
Spend, spent
Pay
Change
Dear, costs more, more/most expensive   Cheap,
costs less, cheaper, less/least expensive  How
much….? How many…….?
Total, amount, value, worth
Discount
currency

## Probability
Fair, unfair
Likely, unlikely, likelihood
Certain, uncertain
Probable, possible, impossible
Chance, good chance
Risk, doubt

## Measurements - Length
Length, width, height, depth, breadth
Long, short, tall, high, low
Wide, narrow, deep, shallow, thick, thin
Longer, shorter, taller, higher….. and so on
Longest, shortest, tallest, highest …. And so on
Far, further, furthest, near, close,
Distance apart/between, distance to…../from……
Edge, perimeter
Kilometre (km),Metre (m), inches, centimetre (cm), millimetre (mm),

Too many, too few
Nearly, roughly, about, close to
About the same as, approximately
Just over, just under

mile,
Ruler, metre stick, tape measure

## Measurements - Mass
Mass: big, bigger, small, smaller, balances
Weigh: Heavy / light, heavier / lighter, heaviest / lightest
Weigh, weighs
Kilogram (kg), half kilogram, gram (g), pounds
Balance, scales

## Measurements - Capacity
Capacity, volume ($^3$)
Full, half
full Empty
Holds, contains
Litre (l), half-litre, millilitre (ml)
Pint, gallon
container, measuring cylinder

## Measurements - Time
Time
Days of the week: Monday, Tuesday…….
Months of the year: January, February, March………
Seasons: spring, summer, autumn, winter
Day, week, fortnight, month, year, leap year, century, millennium
Weekend, birthday, holiday
Calendar, date, date of birth
Morning, afternoon, evening, night
Am, pm, noon, midnight
Today, yesterday, tomorrow
Before, after, Next, last
Now, soon, early, late, earliest, latest
Quick, quicker, quickest, quickly
Fast, faster, fastest, Slow, slower, slowest, slowly
Old, older, oldest, New, newer, newest
Takes longer, takes less time
How long ago? How long will it be
to…..? How long will it take to…..?
Timetable, arrive, depart
Hour, minute, second
O'clock, half past, quarter to, quarter past
Clock, watch, hands
Digital/analogue clock/watch, timer
24-hour clock, 12-hour clock
How often?
Always, never, often, sometimes, usually

## Measurements - Area
Area, covers, surface
Square centimetre (cm²), square metre (m²)
Square millimetre (mm²)
Perimeter

## Measurements – Shape & Space
Shape, pattern
Flat, line
curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end
Sort
Make, build, construct, draw, sketch
Centre, radius, diameter
net
Surface
Angle, Right-angled
Congruent
Base, square based
Vertex, vertices
Layer, diagram
Regular, irregular
Concave, convex
Open, closed
Degree (°)

*3D Shapes*
3D, three-dimensional

## Measurements – Patterns &
Size
Bigger, larger, smaller
Symmetrical
Line of symmetry, axis of symmetry
Line symmetry, reflective symmetry
Fold
Match
Mirror line, reflection, reflect
Pattern, repeating pattern, translation

Cube
Cuboid
Pyramid
Sphere, hemi – sphere, spherical
Cone
Cylinder, cylindrical
Prism
Tetrahedron, polyhedron, octahedron

## 2D Shapes
2D, two-dimensional
Circle, circular, semi - circle
Triangle, triangular
Equilateral triangle, isosceles triangle, scalene triangle
Square
Rectangle, rectangular, oblong
Pentagon, pentagonal
Hexagon, hexagonal
heptagon
Octagon, octagonal
Polygon
Quadrilateral

# Position, Direction & Movement

Position
Over, under, underneath  Above,
below, top, bottom, side  On, in,
outside, inside, around  In front,
behind, front, back  Before,
after, beside, next to  Opposite,
apart
Between, middle, edge, centre
Corner
Direction
Journey, route, map, plan
Left, right
Up, down, higher, lower
Forwards, backwards, sideways, across
Close, far, near
Along, through, to, from, towards, away from
Ascend, descend
Grid, row, column
Origin, coordinates
Clockwise, anti-clockwise
Compass point, north, south, east, west (N, S, E, W)
North-east, north-west, south-east, south-west (NE, NW, SE,SW)
Horizontal, vertical, diagonal
Parallel, perpendicular
x-axis, y-axis
Quadrant
Movement
Slide, roll
Whole turn, half turn, quarter turn,
Rotate, rotation
Angle, ....is a greater / smaller angel than
Right angle, acute, obtuse
Degree
Straight line
Stretch, bend
Ruler, set square
Angle measurer, compasses, protractor
reflection

# Instructions

Listen, join in, say, recite
Think, imagine, remember
Start from, start with, start
at  Look at, point to, show
me  Put, place
Arrange, rearrange
Change, change over
Split, separate
Carry on, continue, repeat
What comes next?, predict
Describe the pattern, describe the rule
Find, find all, find different
Investigate
Choose, decide
Collect
Use, make ,build, construct, bisect
Tell me, describe, name, pick out, identify
Discuss, talk about
Explain
Explain your method / answer / reasoning
give an example of
show how you
show your working
justify
make a statement
read, write, record
write in figures
present, represent
interpret
trace, copy
complete, finish, end
fill in, shade, colour
label, plot
tick, cross
draw, sketch
draw a line between, join (up), ring, arrow
cost, count, tally
calculate, work out, solve, convert
investigate, question
answer
check

## General

Same, different
Missing number/s
Number facts, Number pairs, Number bonds
Greatest value, least value
Number line, number track
Number square, hundred square
Number cards, number grid
Abacus
Counters, cubes, blocks, rods
Die, dice, spinner
Dominoes
Pegs, peg board, pin board
Geo-strips
Same way, different way
Best way, another way
In order, in a different order
Not
All, every, each

# Year 6

## Place Value, Ordering & Rounding

Units, ones
Tens, hundreds, thousands
Ten thousand, hundred thousand, million, ten million
Digit, one-, two-, three- or four –digit number
Numeral
'teens' number
Place, place value
Stands for, represents
Exchange
The same number as, as many as
Equal to

### Of two objects / amounts:
- G, greater than, more than, larger than, bigger than
- q, less than, fewer than, smaller than,

### Of three or more objects / amounts:
- Greatest, most, largest, biggest
- Least, fewest, smallest
- One…. Ten….. one hundred…….. one thousand more / less
- Compare, order, size
- Ascending / descending order
- First…… tenth….. twentieth
- Last, last but one
- Before, after
- Next
- Between, half-way between
- Guess how many, estimate
- Nearly, roughly, close to, about the same as
- Approximate, approximately
- Just over, just under
- Exact, exactly
- Too many, too few, enough, not enough
- Round (up or down), nearest
- Round to the nearest ten / hundred / thousand
- Integer, positive, negative
- Above / below zero, minus

## Properties of Numbers & Number

Number, count, how many…..?
Odd, even
Every other
How many times?
Multiple of
Digit
Next, consecutive
Sequence
Continue
Predict
Pattern, pair, rule
Relationship
Sort, classify, property
Formula
Divisible (by), divisibility, factor, factorise
Square number
One squared, two squared…… (12, 22….)
Prime, prime factor

## Fractions, Decimals, Percentages, Ratio &

part, equal parts, unequal parts
fraction, proper / improper fraction
mixed number
numerator, denominator
equivalent, reduced to, cancel
one whole
half, quarter, eighth
third, sixth, ninth, twelfth
fifth, tenth, twentieth, hundredth, thousandth
proportion, ratio
in every, for every
to every, as many
as
decimal, decimal fraction
decimal point, decimal place
percentage, per cent, %
integar
scale factor

## Calculations – Addition & Subtraction

Add, addition, more, plus, increase
Sum, total, altogether
Score
Double, near double
How many more to make?
Subtract, subtraction, take (away), minus, decrease
Leave, how many are left / left over?
Difference between
Half, halve
How many more / fewer is….. than….?
How much more / less is…….?
Equals, sign, is the same as
Tens boundary, hundreds boundary
Units boundary, tenths boundary
Inverse
Columnar addition, subtraction

## Calculations – Multiplication & Division
Lots of, groups of
Times, multiply, multiplication, multiplied by
Multiple of, product
Once, Twice, three times …….. ten times …..
Times as (big, long, wide….. and so on)
Repeated addition
Array, row, column
Double, halve
Share, share equally
One each, two each, three each …..
Group in pairs, threes ……. Tens
Equal groups of
Divide, division, divided by, divided into
Remainder
Factor, quotient, divisible by
Inverse
Long / short  multiplication, division
Prime

## Solving Problems – Making Decisions & Reasoning
Pattern, puzzle
Calculate, calculation
Mental calculation
Method, strategy
Jotting
Answer
Right, correct, wrong
What could we try next?
How did you work it out?
Number sentence
Sign, operation, symbol, equation

## Handling Data
Count, tally, sort, vote
Survey, questionnaire
Data, database
Graph, block graph, line graph
Pictogram
Represent
Group set
List, chart, bar chart, bar line chart
Pie chart
Tally chart
Table, Frequency table
Carroll diagram, venn diagram
Label, title, axis, axes
Diagram
Most popular, most common
Least popular, least common
Mode, range, mean, average, median
Statistics, distribution
Maximum / minimum value
Classify, outcome

## Measurements - General
Measure, measurements
Size
Compare
Unit, standard unit
Metric unit, imperial unit
Measuring scale, division
Guess, estimate
Enough, not enough
Too much, too little

## Using a Calculator
Calculator
Display, key, enter, clear, sign change
Constant, recurring, memory, operation key

## Algebra
Formulae
Linear number sequence
Equation
Enumerate
Variables
Missing numbers, lengths, coordinates, angles
Equivalent expressions
Number patterns, puzzles

## Money
Money
Coin, note
Penny, pence, pound (£)
Price, cost
But, bought, sell, sold
Spend, spent
Pay
Change
Dear, costs more, more/most expensive   Cheap,
costs less, cheaper, less/least expensive  How
much….? How many…….?
Total, amount, value, worth
Discount, profit, loss
currency

## 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

## Measurements - Length
Length, width, height, depth, breadth
Long, short, tall, high, low
Wide, narrow, deep, shallow, thick, thin
Longer, shorter, taller, higher….. and so on
Longest, shortest, tallest, highest …. And so on
Far, further, furthest, near, close,
Distance apart/between, distance to…../from……  Edge,
perimeter, circumference
Kilometre (km),Metre (m), centimetre (cm), millimetre (mm)

Too many, too few
Nearly, roughly, about, close to
About the same as, approximately
Just over, just under

## Measurements - Mass

Mass: big, bigger, small, smaller, balances
Weigh: Heavy / light, heavier / lighter, heaviest / lightest
Weigh, weighs
Tonne, kilogram (kg), half kilogram, gram (g)
Pound (lb), ounce (oz)
Balance, scales

## Measurement - Time

Time
Days of the week: Monday, Tuesday…….
Months of the year: January, February, March………
Seasons: spring, summer, autumn, winter
Day, week, fortnight, month, year, leap year, century, millennium
Weekend, birthday, holiday
Calendar, date, date of birth
Morning, afternoon, evening, night
Am, pm, noon, midnight
Today, yesterday, tomorrow
Before, after, Next, last
Now, soon, early, late, earliest, latest
Quick, quicker, quickest, quickly
Fast, faster, fastest, Slow, slower, slowest, slowly
Old, older, oldest, New, newer, newest
Takes longer, takes less time
How long ago? How long will it be to….?
How long will it take to…..?
Timetable, arrive, depart
Hour, minute, second
O'clock, half past, quarter to, quarter past
Clock, watch, hands
Digital/analogue clock/watch, timer
24-hour clock, 12-hour clock
Greenwich Mean Time, British Summer Time
International Date Line
How often?
Always, never, often, sometimes, usually

## Measurements – Shape & Space

Shape, pattern
Flat, line
curved, straight
Round
Hollow, solid
Corner
Point, pointed
Face, side, edge, end
Sort
Make, build, construct, draw, sketch
Centre, radius, diameter
Circumference, concentric, arc
net
Surface
Angle, Right-angled
Congruent
Intersecting, intersection
Plane
Base, square based
Vertex, vertices
Layer, diagram
Regular, irregular
Concave, convex
Open, closed

Mile, yard, feet, foot, inches, inch
Ruler, metre stick, tape measure, compasses
Cubic centimetre (cm³), metres (m³) millimetres (mm³) kilometres (km³)

## Measurements - Capacity

Capacity, volume
Full, half full, empty
Holds, contains
Litre (l), half-litre, centilitre (cl), millilitre (ml)
Pint, gallon
container, measuring cylinder

## Measurements - Area

Area, covers, surface
Square centimetre (cm²), square metre (m²)
Square millimetre (mm²)
Perimeters

## Measurements – Patterns & Symmetry

Size
Bigger, larger, smaller
Symmetrical
Line of symmetry, axis of symmetry
Line symmetry, reflective symmetry
Fold
Match
Mirror line, reflection, reflect
Pattern, repeating pattern, translation
Dissection

Tangram
Geometric

*3D Shapes*
3D, three-dimensional
Cube
Cuboid
Pyramid
Sphere, hemi – sphere, spherical
Cone
Cylinder, cylindrical
Prism
Tetrahedron, polyhedron, octahedron

*2D Shapes*
2D, two-dimensional
Circle, circular, semi - circle
Triangle, triangular
Equilateral triangle, isosceles triangle, scalene triangle
Square, rhombus
Rectangle, rectangular, oblong
Pentagon, pentagonal
Hexagon, hexagonal
heptagon
Octagon, octagonal
Polygon
Quadrilateral
Kite
Parallelogram, trapezium

## Position, Direction & 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, coordinate plane
Clockwise, anti-clockwise
Compass point, north, south, east, west (N, S, E, W)
North-east, north-west, south-east, south-west (NE, NW, SE,SW)
Horizontal, vertical, diagonal
Parallel, perpendicular
x-axis, y-axis
Quadrant
Movement
Slide, roll
Whole turn, half turn, quarter turn,  rotate, rotation
Angle, ….is a greater / smaller angel than
Right angle, acute, obtuse, reflex
Degree
Straight line
Stretch, bend
Ruler, set square

## Instructions

Listen, join in, say, recite
Think, imagine, remember
Start from, start with, start
at  Look at, point to, show
me  Put, place
Arrange, rearrange
Change, change over
Adjusting, adjust
Split, separate
Carry on, continue, repeat
What comes next?, predict
Describe the pattern, describe the rule
Find, find all, find different
Investigate
Choose, decide
Collect
Use, make ,build, construct, bisect
Tell me, define, describe, name, pick out, identify
Discuss, talk about
Explain
Explain your method / answer / reasoning
give an example of
show how you
show your working
justify
make a statement
read, write, record
write in figures
present, represent
interpret
trace, copy
complete, finish, end
fill in, shade, colour
label, plot
tick, cross

Angle measurer, compasses, protractor

draw, sketch
draw a line between, join (up), ring, arrow
cost, count, tally
calculate, work out, solve, convert
investigate, interrogate (data),  question, prove
answer
check

## General
Same, identical, different
Missing number/s
Number facts, Number pairs, Number bonds
Greatest value, least value
Number line, number track
Number square, hundred square
Number cards, number grid
Abacus
Counters, cubes, blocks, rods
Die, dice, spinner
Dominoes
Pegs, peg board, pin board
Geo-strips
Same way, different way
Best way, another way
In order, in a different order
Not
All, every, each