

Below are the vocabulary checklists from 'Planning support for the new Mathematics National Curriculum.' The document states:

Children should be introduced to appropriate mathematical language in planning and teaching sequences. The following vocabulary checklists for each year group should be referred to as a core list of essential words and phrases but are not intended to be exhaustive. The lists have been extended from those provided by the National Numeracy Strategy to line up with the National Curriculum 2014.

Using a piece of software, the checklists have been colour-coded to show how frequently each word occurs in British English (according to the British National Corpus.) The key is:



Broadly, the less frequently a word occurs, the less likely a child is to have encountered it as a result of everyday interaction. Of course, this does not mean they will understand the word in the context of Maths: **face**, for example, is an everyday word that usually means something different in a Maths lesson.

Some of the results are unsurprising. Nobody needs colour coding to know that **octahedron**, for example, is a low-frequency word that pupils are unlikely to know! However, in cases such as:

|                               |
|-------------------------------|
| shape, pattern                |
| flat, curved, straight, round |
| hollow, solid                 |
| corner                        |
| point, pointed                |

it can be useful to be able to anticipate in advance which two words are most likely to prove tricky (and be ready with strategies to explain them.)

# Year 1

|   |  |  |
|---|--|--|
| <p><b>Numbers and place value</b></p> <p><b>Counting, properties of numbers and number sequences</b><br/>number<br/>zero, one, two, three... to twenty and beyond<br/>zero, ten, twenty... one hundred<br/>none<br/>how many...?<br/>count, count (up) to<br/>count on (from, to)<br/>count back (from, to)<br/>count in ones, twos... tens...<br/>more, less, many, few<br/>odd, even<br/>every other<br/>how many times?<br/>pattern, pair</p> <p><b>Place value and ordering</b><br/>units, ones, tens<br/>exchange<br/>digit<br/>'teens' number<br/>the same number as, as many as equal to<br/>Of <b>two</b> objects/amounts:<br/>greater, more, larger, bigger<br/>less, fewer, smaller<br/>Of <b>three</b> or more objects/amounts:<br/>greatest, most, biggest, largest<br/>least, fewest, smallest<br/>one more, ten more<br/>one less, ten less<br/>compare, order<br/>size<br/>first, second, third... tenth, eleventh... twentieth<br/>last, last but one<br/>before, after, next<br/>between, <b>half-way</b> between<br/>above, below</p> <p><b>Estimating</b><br/>guess how many, estimate<br/>nearly, roughly, close to<br/>about the same as<br/>just over, just under<br/>too many, too few, enough, not enough</p> | <p><b>Number - Fractions</b><br/>Half, <math>\frac{1}{2}</math><br/>Quarter, <math>\frac{1}{4}</math><br/>Half of a length, quantity, shape, set of objects<br/>Two equal parts<br/>4 equal parts<br/>Whole</p> <p><b>Addition and subtraction</b><br/>+, add, more, plus<br/>make, sum, total, altogether<br/>score<br/>double, near double<br/>one more, two more... ten more<br/>how many more to make...?<br/>how many more is... than...?<br/>how much more is...?<br/>-, subtract, take (away), minus<br/>leave<br/>how many are left/left over?<br/>how many have gone?<br/>one less, two less, ten less...<br/>how many fewer is... than...?<br/>how much less is...?<br/>difference between<br/>number bonds<br/>half, halve<br/>equals, sign, is the same as</p> <p><b>Making decisions and reasoning</b><br/>pattern, puzzle<br/>answer<br/>right, wrong<br/>what could we try next?<br/>how did you work it out?<br/>count out, share out, left, left over<br/>number sentence<br/>sign, operation</p> | <p><b>Money</b><br/>Money, coin<br/>penny, pence, pound<br/>price, cost, total<br/>buy, sell<br/>spend, spent<br/>pay, change<br/>dear, costs more<br/>cheap, costs less, cheaper<br/>costs the same as<br/>how much...? how many...?</p> <p><b>Measurement</b></p> <p><b>Measures (general)</b><br/>measure<br/>size<br/>compare<br/>guess, estimate<br/>enough, not enough<br/>too much, too little<br/>too many, too few<br/>nearly, roughly, close to, about the same as<br/>just over, just under</p> <p><b>Length</b><br/>length, width, height, depth<br/>long, short, tall<br/>high, low<br/>wide, narrow<br/>deep, shallow<br/>thick, thin<br/>longer, shorter, taller, higher...<br/>and so on<br/>longest, shortest, tallest, highest... and so on<br/>far, near, close<br/>metre<br/>ruler, metre stick</p> <p><b>Mass</b><br/>weigh, weighs, balances<br/>heavy/light, heavier/lighter,<br/>heaviest/lightest<br/>balance, scales, weight</p> <p><b>Capacity</b><br/>full<br/>half full<br/>empty<br/>holds<br/>container</p> |
|---|--|--|

## Year 1

|   |   |   |
|---|---|---|
| <p><b>Time</b><br/>All days of the week<br/>All months of the year<br/>seasons: spring, summer, autumn, winter<br/>day, week, month, year<br/>weekend, birthday, holiday<br/>morning, afternoon, evening<br/>night, midnight<br/>bedtime, dinnertime, playtime<br/>today, yesterday, tomorrow<br/>before, after<br/>next, last<br/>now, soon, early, late<br/>quick, quicker, quickest, quickly<br/>fast, faster, fastest<br/>slow, slower, slowest, slowly<br/>old, older, oldest<br/>new, newer, newest<br/>takes longer, takes less time<br/>hour, o'clock, half past<br/>clock, watch, hands<br/>how long ago?<br/>how long will it be to...?<br/>how long will it take to...?<br/>how often?<br/>always, never, often,<br/>sometimes, usually<br/>once, twice</p> <p><b>Geometry - shape</b><br/>shape, pattern<br/>flat, curved, straight, round<br/>hollow, solid<br/>corner<br/>point, pointed<br/>face, side, edge, end<br/>sort<br/>make, build, draw</p> <p><b>3D Shapes</b><br/>Cube, cuboid<br/>pyramid<br/>sphere<br/>cone<br/>cylinder</p> <p><b>2D Shapes</b><br/>circle<br/>triangle<br/>square<br/>rectangle<br/>star</p> | <p><b>Patterns and symmetry</b><br/>size<br/>bigger, larger, smaller<br/>symmetrical<br/>pattern<br/>repeating pattern<br/>match</p> <p><b>Geometry - position</b><br/>position<br/>over, under, underneath<br/>above, below<br/>top, bottom, side<br/>on, in<br/>outside, inside<br/>around<br/>in front, behind<br/>front, back<br/>before, after<br/>beside, next to<br/>opposite<br/>apart<br/>between<br/>middle, edge<br/>centre<br/>corner<br/>direction<br/>journey<br/>left, right<br/>up, down<br/>forwards, backwards, sideways<br/>across<br/>close, far, near<br/>along<br/>through<br/>to, from, towards, away from<br/>movement<br/>slide<br/>roll<br/>turn, whole turn, half turn<br/>stretch, bend</p> | <p><b>General</b><br/>same number/s<br/>different number/s<br/>missing number/s<br/>number facts<br/>number line, number track<br/>number square<br/>number cards<br/>abacus<br/>counters, cubes, blocks, rods<br/>die, dice<br/>dominoes<br/>pegs, peg board<br/>same way, different way<br/>best way, another way<br/>in order, in a different order<br/>not<br/>all, every, each</p> |
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# YEAR 2

|  |   |   |
|--|---|---|
| <p><b>Numbers and the number system</b><br/> <b>Counting, properties of numbers and number sequences</b><br/>         number<br/>         zero, one, two, three... to twenty and beyond<br/>         zero, ten, twenty... one hundred<br/>         zero, one hundred, two hundred... one thousand<br/>         how many...?<br/>         count, count (up) to<br/>         count on (from, to)<br/>         count back (from, to)<br/>         count in ones, twos, threes, fours, fives, tens<br/>         more, less, many, few<br/>         odd, even<br/>         every other<br/>         how many times?<br/>         multiple of<br/>         sequence<br/>         continue<br/>         predict<br/>         pattern, pair, rule</p> <p><b>Place Value and ordering</b><br/>         units, ones, tens, hundreds<br/>         digit<br/>         one-, two- or three-digit number<br/>         'teens' number<br/>         place, place value<br/>         stands for, represents<br/>         exchange<br/>         equal to<br/>         Of <b>two</b> objects/amounts:</p> <ul style="list-style-type: none"> <li>greater, more, larger, bigger</li> <li>less, fewer, smaller</li> </ul> <p>Of <b>three</b> + objects/amounts:</p> <ul style="list-style-type: none"> <li>greatest, most, biggest, largest</li> <li>least, fewest, smallest</li> </ul> <p>one more, ten more<br/>         one less, ten less<br/>         compare, order<br/>         first, second, third... tenth... twentieth<br/>         twenty-first, twenty-second...<br/>         last, last but one<br/>         before, after, next<br/>         between, half-way between</p> | <p><b>Estimating</b><br/>         guess how many, estimate<br/>         nearly, roughly, close to<br/>         about the same as<br/>         just over, just under<br/>         exact, exactly<br/>         too many, too few, enough, not enough<br/>         round, nearest, round to the nearest ten</p> <p><b>Number - fractions</b><br/>         part, equal parts<br/>         fraction<br/>         one whole<br/>         one half, two halves<br/>         one quarter, two... three... four quarters<br/>         one third<br/>         non-unit fraction</p> <p><b>Calculations</b><br/> <b>Addition and subtraction</b><br/>         +, add, addition, more, plus<br/>         make, sum, total<br/>         altogether<br/>         score<br/>         double, near double<br/>         one more, two more... ten more... one hundred more<br/>         how many more to make...?<br/>         how many more is... than...?<br/>         how much more is...?<br/>         -, subtract, subtraction, take (away), minus<br/>         leave, how many are left/left over?<br/>         one less, two less... ten less... one hundred less<br/>         how many fewer is... than...?<br/>         how much less is...?<br/>         difference between<br/>         half, halve<br/>         =, equals, sign, is the same as<br/>         tens boundary</p> | <p><b>Multiplication and division</b><br/>         lots of, groups of<br/>         ×, times, multiply, multiplied by<br/>         multiple of<br/>         once, twice, three times... ten times...<br/>         times as (big, long, wide... and so on)<br/>         repeated addition<br/>         array<br/>         row, column<br/>         double, halve<br/>         share, share equally<br/>         one each, two each, three each...<br/>         group in pairs, threes... tens<br/>         equal groups of<br/>         ÷, divide, divided by, divided into<br/>         left, left over</p> <p><b>Making decisions and reasoning</b><br/>         pattern, puzzle<br/>         calculate, calculation<br/>         mental calculation<br/>         jotting<br/>         answer<br/>         right, correct, wrong<br/>         what could we try next?<br/>         how did you work it out?<br/>         number sentence<br/>         sign, operation, symbol</p> <p><b>Money</b><br/>         coin<br/>         penny, pence, pound (£)<br/>         price, cost<br/>         buy, bought, sell, sold<br/>         spend, spent<br/>         pay<br/>         change<br/>         dear, costs more<br/>         cheap, costs less, cheaper<br/>         how much...? how many...?<br/>         total</p> |
|--|---|---|

## Year 2

|   |   |   |
|---|---|---|
| <p><b>Measurement</b></p> <p><b>Measures (general)</b><br/>measure<br/>size<br/>compare<br/>measuring <b>scale</b><br/>guess, <b>estimate</b><br/>enough, not enough<br/>too much, too little<br/>too many, too few<br/>nearly, <b>roughly</b>, about, close to,<br/>about the same as<br/>just over, just under<br/><b>temperature</b><br/><b>thermometer</b></p> <p><b>Length</b><br/><b>length</b>, width, <b>height</b>, depth<br/>long, short, <b>tall</b>, high, low<br/>wide, <b>narrow</b>, deep, <b>shallow</b>,<br/><b>thick</b>, <b>thin</b><br/>longer, shorter, <b>taller</b>, higher...<br/>and so on<br/>longest, shortest, <b>tallest</b>,<br/>highest... and so on<br/>far, further, furthest, near, close<br/><b>metre (m)</b>, <b>centimetre (cm)</b><br/>ruler, <b>metre</b> stick, tape measure</p> <p><b>Mass</b><br/>weigh, weighs, balances<br/>heavy/light, heavier/lighter,<br/>heaviest/lightest<br/><b>kilogram (kg)</b>, <b>half-kilogram</b>,<br/><b>gram (g)</b><br/>balance, <b>scales</b>, weight</p> <p><b>Capacity</b><br/>capacity<br/>full, half full, <b>empty</b><br/>holds, <b>contains</b><br/><b>litre (l)</b>, <b>half-litre</b>, <b>millilitre (ml)</b><br/>Volume</p> <p><b>Statistics</b><br/>count, <b>tally</b>, sort, vote<br/><b>graph</b>, <b>block graph</b>, <b>pictogram</b><br/>represent<br/>group, set, <b>data</b><br/>same, different<br/>list, table<br/><b>label</b>, <b>title</b><br/>most <b>popular</b>, most common<br/>least <b>popular</b>, least common</p> | <p><b>Time</b></p> <p>All days of the week<br/>All months of the year<br/>All <b>seasons</b><br/>day, week, <b>fortnight</b>, month,<br/>year<br/>weekend, birthday, holiday<br/>morning, afternoon, evening,<br/>night, midnight<br/><b>bedtime</b>, <b>dinnertime</b>, <b>playtime</b><br/>today, yesterday, tomorrow<br/>before, after<br/>next, last<br/>now, soon, early, late<br/>quick, quicker, quickest, quickly<br/>fast, faster, fastest<br/>slow, slower, slowest, slowly<br/>old, older, oldest<br/>new, newer, newest<br/>takes longer, takes less time<br/>how long ago? how long will it<br/>be to...?<br/>how long will it take to...?<br/>hour, minute, second<br/>o'clock, half past, quarter to,<br/>quarter past<br/>clock, watch, hands<br/><b>digital/analogue</b> clock/watch,<br/>timer<br/>how often?<br/>always, never, often,<br/>sometimes, usually<br/>once, twice</p> <p><b>Geometry - Shape</b><br/><b>shape</b>, <b>pattern</b><br/>flat, <b>curved</b>, straight<br/>round<br/><b>hollow</b>, <b>solid</b><br/>corner<br/>point, pointed<br/>face, side, <b>edge</b>, end<br/>sort<br/>make, build, draw<br/><b>surface</b></p> <p><b>3D SHAPES</b><br/><b>cube</b><br/><b>cuboid</b><br/><b>pyramid</b><br/><b>sphere</b><br/><b>cone</b><br/><b>cylinder</b><br/><b>prism</b></p> <p><b>2D SHAPES</b><br/><b>circle</b>, <b>circular</b><br/><b>triangle</b>, <b>triangular</b></p> | <p>square<br/><b>rectangle</b>, <b>rectangular</b><br/><b>star</b><br/><b>pentagon</b><br/><b>hexagon</b><br/><b>octagon</b></p> <p><b>Patterns and symmetry</b></p> <p>size<br/>bigger, larger, smaller<br/><b>symmetrical</b><br/>line of <b>symmetry</b><br/><b>fold</b><br/>match<br/><b>mirror line</b>, <b>reflection</b><br/><b>pattern</b><br/><b>repeating pattern</b></p> <p><b>Geometry - Position, direction</b><br/>position<br/>over, under, underneath<br/><b>above</b>, <b>below</b><br/>top, bottom, side<br/>on, in<br/>outside, inside<br/>around<br/>in front, behind<br/>front, back<br/>before, after<br/><b>beside</b>, next to<br/><b>opposite</b><br/>apart<br/>between<br/>middle, <b>edge</b><br/>centre<br/>corner<br/><b>direction</b><br/><b>journey</b>, <b>route</b><br/>left, right<br/>up, down<br/>higher, lower<br/>forwards, backwards, <b>sideways</b><br/>across<br/>close, far, near<br/>along<br/>through<br/>to, from, towards, away from<br/><b>rotation</b><br/><b>clockwise</b>, <b>anti-clockwise</b><br/>movement<br/><b>slide</b><br/>roll<br/>whole turn, half turn, quarter<br/>turn<br/><b>right angle</b><br/>straight line<br/><b>stretch</b>, <b>bend</b></p> |
|---|---|---|

## Year 2

### General

same, different  
missing number/s  
number facts  
number pairs  
number bonds  
number line, number track  
number square, hundred square  
number cards  
partition  
commutative  
equivalence  
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 3

|   |  |  |
|---|--|--|
| <p><b>Numbers and Place Value</b><br/> <b>Counting, properties of numbers and number sequences</b></p> <p>Number, <b>numerals</b><br/> <b>zero</b>, one, two, three... to twenty and <b>beyond</b><br/> <b>zero</b>, ten, twenty... one hundred<br/> <b>zero</b>, one hundred, two hundred... one thousand<br/>         none<br/>         how many...?<br/>         count, count (up) to<br/>         count on (from, to)<br/>         count back (from, to)<br/>         count in <b>multiples</b> of ...<br/>         more, less, many, few<br/>         odd, even<br/>         every other<br/>         how many times?<br/> <b>multiple</b> of<br/> <b>sequence</b><br/>         continue<br/> <b>predict</b>, <b>pattern</b>, pair, rule<br/>         relationship</p> <p><b>Place value and ordering</b><br/>         units, ones, tens, hundreds<br/> <b>digit</b><br/>         one-, two- or three-<b>digit</b> number<br/>         'teens' number<br/>         place, place value<br/>         stands for, represents<br/> <b>exchange</b><br/>         the same number as, as many as<br/>         equal to<br/>         Of <b>two</b> <b>objects</b>/amounts:<br/>         greater, more, larger, bigger<br/>         less, fewer, smaller<br/>         Of <b>three</b> or more<br/> <b>objects</b>/amounts:<br/>         greatest, most, biggest, largest<br/>         least, fewest, smallest<br/>         one, ten, one hundred more<br/>         than<br/>         one, ten, one hundred less than<br/>         compare, order, size<br/>         first, second, third... tenth...<br/>         twentieth<br/> <b>twenty-first</b>, <b>twenty-second</b>...<br/>         last, last but one<br/>         before, after, next<br/>         between, <b>half-way</b> between</p> | <p><b>Estimating</b><br/>         guess how many, <b>estimate</b><br/>         nearly, <b>roughly</b>, close to<br/> <b>approximate</b>, <b>approximately</b><br/>         about the same as<br/>         just over, just under<br/>         exact, exactly<br/>         too many, too few, enough, not<br/>         enough<br/>         round (up or down)<br/>         nearest, round to the nearest<br/>         ten</p> <p><b>Fractions</b><br/>         part, equal parts<br/> <b>fraction</b><br/>         one whole<br/>         one half, two halves<br/>         one quarter, two... three... four<br/>         quarters<br/>         one third, two thirds, three thirds<br/>         one tenth<br/>         unit, <b>non-unit fraction</b><br/> <b>denominator</b></p> <p><b>Calculations</b><br/> <b>Addition and subtraction</b><br/>         +, add, addition, more, plus<br/>         make, <b>sum</b>, total<br/> <b>altogether</b><br/>         score<br/>         double, near double<br/>         one more, two more... ten<br/>         more... one hundred more<br/>         how many more to make...?<br/>         how many more is... than...?<br/>         how much more is...?<br/>         -, <b>subtract</b>, <b>subtraction</b>, take<br/>         (away), minus<br/>         leave, how many are left/left<br/>         over?<br/>         one less, two less... ten less...<br/>         one hundred less<br/>         how many fewer is... than...?<br/>         how much less is...?<br/>         difference between<br/>         half, <b>halve</b><br/>         =, equals, sign, is the same as<br/>         tens <b>boundary</b>, hundreds<br/> <b>boundary</b><br/> <b>columnar</b> addition and<br/> <b>subtraction</b></p> | <p><b>Multiplication and division</b><br/>         lots of, groups of<br/>         ×, times, <b>multiply</b>, <b>multiplication</b>,<br/> <b>multiplied</b> by<br/> <b>multiple</b> of, product<br/>         once, twice, three times... ten<br/>         times...<br/>         times as (big, long, wide... and<br/>         so on)<br/> <b>repeated</b> addition<br/> <b>array</b><br/> <b>row</b>, <b>column</b><br/>         double, <b>halve</b><br/>         share, share equally<br/>         one each, two each, three<br/>         each...<br/>         group in pairs<br/>         equal groups of<br/>         divide, division, divided by<br/> <b>remainder</b><br/>         positive <b>integer</b> <b>scaling</b> problem</p> <p><b>Making decisions and reasoning</b><br/> <b>pattern</b>, <b>puzzle</b><br/>         calculate, calculation<br/>         mental calculation<br/>         method<br/> <b>jotting</b><br/>         answer<br/>         right, correct, wrong<br/>         what could we try next?<br/>         how did you work it out?<br/>         number <b>sentence</b><br/>         sign, operation, <b>symbol</b>,<br/> <b>equation</b></p> <p><b>Money</b><br/>         money<br/> <b>coin</b>, note<br/> <b>penny</b>, pence, pound (£)<br/>         price, cost<br/>         buy, bought, sell, sold<br/>         spend, spent<br/>         pay<br/>         change<br/>         dear, costs more, more/most<br/>         expensive<br/>         cheap, costs less, cheaper,<br/>         less/least expensive<br/>         how much...? how many...?<br/>         total, amount<br/>         value, worth</p> |
|---|--|--|

## Year 3

### Statistics

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

### Measurement

#### Measures (general)

measure  
size  
compare  
measuring scale, division  
guess, estimate  
enough, not enough  
too much, little, many, 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...  
longest, shortest, tallest,  
highest... and so on  
far, further, furthest, near, close  
distance apart/between,  
distance to... from...  
kilometre (km), metre (m),  
centimetre (cm)  
mile  
ruler, metre stick, tape measure

#### Mass

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

#### Capacity

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

### Time

All days of the week  
All months of the year  
All seasons  
day, week, fortnight, month,  
year, century  
weekend, birthday, holiday  
calendar, date  
morning, afternoon, evening,  
night, midnight  
am, pm  
bedtime, dinnertime, playtime  
today, yesterday, tomorrow  
before, after  
next, last  
now, soon, early, late, earliest,  
latest  
quick, quicker, quickest, quickly  
fast, faster, fastest  
slow, slower, slowest, slowly  
old, older, oldest  
new, newer, newest  
takes longer, takes less time  
how long ago? how long will it  
be to...?  
how long will it take to...?  
hour, minute, second  
o'clock, half past, quarter to,  
quarter past  
clock, watch, hands  
digital/analogue clock/watch,  
timer  
how often?  
always, never, often,  
sometimes, usually  
once, twice

### Patterns and symmetry

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

### Geometry - Position

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

### Geometry – shape

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

### 3D shapes

Cube, cuboid  
pyramid  
sphere, hemi-sphere  
cone  
cylinder  
prism

### 2D shapes

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

### Year 3

#### 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

|   |  |  |
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| <p><b>Numbers and place value</b></p> <p><b>Place value, ordering and rounding</b><br/> units, ones, tens, hundreds, thousands, ten thousand, hundred thousand, million<br/> <b>digit</b>, one-, two-, three- or four-<b>digit</b> number<br/> <b>numeral</b><br/> 'teens' number<br/> place, place value<br/> stands for, represents<br/> equal to<br/> <b>exchange</b><br/> the same number as, as many as<br/> Of <b>two</b> objects/amounts:<br/> &gt;, greater than, more than, larger than, bigger than<br/> &lt;, less than, fewer than, smaller than<br/> Of <b>three</b> or more objects/amounts:<br/> greatest, most, largest, biggest<br/> least, fewest, smallest<br/> one... ten... one hundred... one thousand more/less<br/> compare, order, size<br/> first... tenth... twentieth<br/> last, last but one<br/> before, after, next<br/> between, <b>half-way</b> between<br/> guess how many, <b>estimate</b><br/> nearly, <b>roughly</b>, close to, about the same as<br/> <b>approximate</b>, <b>approximately</b><br/> just over, just under<br/> exact, exactly<br/> too many, too few, enough, not enough<br/> round (up or down), nearest<br/> round to the nearest ten<br/> round to the nearest hundred<br/> <b>integer</b>, positive, <b>negative</b><br/> <b>above/below zero</b>, minus<br/> <b>Roman numerals</b> to 100</p> <p><b>Properties of numbers and number sequences</b><br/> number, count, how many...?<br/> odd, even<br/> how many times?<br/> <b>multiple</b> of<br/> <b>digit</b><br/> <b>next</b>, <b>consecutive</b></p> | <p><b>sequence</b><br/> continue<br/> <b>predict</b><br/> <b>pattern</b>, pair, rule<br/> relationship<br/> sort, <b>classify</b>, <b>property</b></p> <p><b>Number - Fractions and decimals</b><br/> part, equal parts<br/> <b>fraction</b><br/> <b>denominator</b><br/> <b>numerator</b><br/> unit, <b>non-unit fraction</b><br/> one whole<br/> half, quarter, eighth<br/> ones, tenth, hundredth<br/> third, sixth<br/> fifth, tenth, twentieth<br/> <b>proportion</b>, in every, for every<br/> <b>decimal</b>, <b>decimal fraction</b><br/> <b>decimal equivalent</b><br/> <b>decimal point</b>, <b>decimal place</b></p> <p><b>Calculations</b></p> <p><b>Addition and subtraction</b><br/> add, addition, more, plus, increase<br/> <b>sum</b>, total, <b>altogether</b><br/> score<br/> double, near double<br/> how many more to make...?<br/> <b>subtract</b>, <b>subtraction</b>, take (away), minus, <b>decrease</b><br/> leave, how many are left/left over?<br/> difference between<br/> half, <b>halve</b><br/> how many more/fewer is... than...?<br/> how much more/less is...?<br/> equals, sign, is the same as<br/> tens <b>boundary</b>, hundreds <b>boundary</b><br/> <b>inverse</b><br/> <b>columnar</b> addition and <b>subtraction</b></p> | <p><b>Multiplication and division</b><br/> lots of, groups of<br/> times, <b>multiply</b>, <b>multiplication</b>, <b>multiplied by</b><br/> <b>multiple</b> of, product<br/> once, twice, three times... ten times...<br/> times as (big, long, wide... and so on)<br/> <b>repeated</b> addition<br/> <b>array</b><br/> <b>row</b>, <b>column</b><br/> double, <b>halve</b><br/> share, share equally<br/> one each, two each, three each...<br/> group in pairs, threes... tens<br/> equal groups of<br/> divide, division, divided by, divided into<br/> <b>remainder</b><br/> <b>factor</b>, <b>quotient</b>, <b>divisible by</b><br/> <b>inverse</b><br/> <b>scaling</b></p> |
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## Year 4

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| <p><b>Making decisions and reasoning</b><br/>         pattern, puzzle<br/>         calculate, calculation<br/>         mental calculation<br/>         method<br/>         jotting<br/>         answer<br/>         right, correct, wrong<br/>         what could we try next?<br/>         how did you work it out?<br/>         number sentence<br/>         sign, operation, symbol,<br/>         equation</p> <p><b>Money</b><br/>         money<br/>         coin, note<br/>         penny, pence, pound (£)<br/>         price, cost<br/>         buy, bought, sell, sold<br/>         spend, spent<br/>         pay<br/>         change<br/>         dear, costs more, more/most<br/>         expensive<br/>         cheap, costs less, cheaper,<br/>         less/least expensive<br/>         how much...? how many...?<br/>         total, amount<br/>         value, worth</p> <p><b>Statistics</b><br/>         count, tally, sort, vote<br/>         survey, questionnaire, data<br/>         graph, block graph, pictogram<br/>         represent<br/>         group, set<br/>         list, chart, bar chart, tally chart<br/>         table, frequency table<br/>         Carroll diagram, Venn diagram<br/>         label, title, axis, axes<br/>         diagram<br/>         most popular, most common<br/>         least popular, least common</p> | <p><b>Measurement</b><br/> <b>Measures (general)</b></p> <p>measure, measurement<br/>         size<br/>         compare<br/>         unit, standard unit<br/>         metric unit, imperial unit<br/>         measuring scale, division<br/>         guess, estimate<br/>         enough, not enough<br/>         too much, too little<br/>         too many, too few<br/>         nearly, roughly, about, close to<br/>         about the same as,<br/>         approximately<br/>         just over, just under</p> <p><b>Length</b><br/>         length, width, height, depth,<br/>         breadth<br/>         long, short, tall, high, low<br/>         wide, narrow, deep, shallow,<br/>         thick, thin<br/>         longer, shorter, taller, higher...<br/>         and so on<br/>         longest, shortest, tallest,<br/>         highest... and so on<br/>         far, further, furthest, near, close<br/>         distance apart/between,<br/>         distance to... from...<br/>         edge, perimeter<br/>         kilometre (km), metre (m)<br/>         centimetre (cm), millimetre (mm)<br/>         mile<br/>         ruler, metre stick, tape measure</p> <p><b>Mass</b><br/>         mass: big, bigger, small,<br/>         smaller, balances<br/>         weight: heavy/light,<br/>         heavier/lighter, heaviest/lightest<br/>         weigh, weighs<br/>         kilogram (kg), half-kilogram,<br/>         gram (g)<br/>         balance, scales</p> <p><b>Capacity</b><br/>         capacity<br/>         full, half full<br/>         empty<br/>         holds, contains<br/>         litre (l), half-litre, millilitre (ml)<br/>         pint<br/>         container, measuring cylinder</p> | <p><b>Area</b><br/>         area, covers, surface<br/>         square centimetre (cm<sup>2</sup>)<br/>         perimeter<br/>         rectilinear</p> <p><b>Time</b><br/>         time<br/>         days of the week: Monday,<br/>         Tuesday...<br/>         months of the year: January,<br/>         February...<br/>         seasons: spring, summer,<br/>         autumn, winter<br/>         day, week, fortnight, month<br/>         year, leap year, century,<br/>         millennium<br/>         weekend, birthday, holiday<br/>         calendar, date, date of birth<br/>         morning, afternoon, evening,<br/>         night<br/>         am, pm, noon, midnight<br/>         today, yesterday, tomorrow<br/>         before, after, next, last<br/>         now, soon, early, late, earliest,<br/>         latest<br/>         quick, quicker, quickest, quickly<br/>         fast, faster, fastest, slow,<br/>         slower, slowest, slowly<br/>         old, older, oldest, new, newer,<br/>         newest<br/>         takes longer, takes less time<br/>         how long ago? how long will it<br/>         be to...?<br/>         how long will it take to...?<br/>         timetable, arrive, depart<br/>         hour, minute, second<br/>         o'clock, half past, quarter to,<br/>         quarter past<br/>         clock, watch, hands<br/>         digital/analogue clock/watch,<br/>         timer<br/>         how often?<br/>         always, never, often,<br/>         sometimes, usually<br/>         Roman numerals</p> |
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## Year 4

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| <p><b>Geometry – Shape</b><br/>shape, pattern<br/>flat, line<br/>curved, straight, round<br/>point, pointed<br/>face, side, edge, surface<br/>sort<br/>make, build, construct, draw,<br/>sketch<br/>centre, radius, diameter<br/>net<br/>angle, right-angled<br/>base, square-based<br/>vertex, vertices<br/>layer, diagram<br/>regular, irregular<br/>concave, convex<br/>open, closed<br/>geometric shapes<br/>acute, obtuse<br/>regular, irregular<br/>polygon</p> <p><b>3D Shapes</b><br/>3D, three-dimensional<br/>Cube, cuboid<br/>pyramid<br/>sphere, hemi-sphere, spherical<br/>cone<br/>cylinder, cylindrical<br/>prism<br/>tetrahedron, polyhedron</p> <p><b>2D Shapes</b><br/>2D, two-dimensional<br/>circle, circular, semi-circle<br/>triangle, triangular<br/>equilateral triangle, isosceles<br/>triangle<br/>square<br/>rectangle, rectangular, oblong<br/>pentagon, pentagonal<br/>hexagon, hexagonal<br/>heptagon<br/>octagon, octagonal<br/>polygon<br/>quadrilateral<br/>parrallelogram<br/>rhombus<br/>trapezium</p> <p><b>Patterns and symmetry</b><br/>bigger, larger, smaller<br/>symmetrical<br/>line of symmetry, line symmetry<br/>fold, match<br/>mirror line, reflection, reflect<br/>pattern, repeating pattern,<br/>translation</p> | <p><b>Geometry - position</b><br/>over, under, underneath<br/>above, below, top, bottom, side<br/>on, in, outside, inside, around<br/>in front, behind, front, back<br/>before, after, beside, next to<br/>opposite, apart<br/>between, middle, edge, centre<br/>corner<br/>direction<br/>journey, route, map, plan<br/>left, right<br/>up, down, higher, lower<br/>forwards, backwards, sideways,<br/>across<br/>close, far, near<br/>along, through, to, from,<br/>towards, away from<br/>ascend, descend<br/>grid<br/>row, column<br/>origin, coordinates<br/>clockwise, anti-clockwise<br/>compass point, north, south,<br/>east, west (N, S, E, W)<br/>north-east, north-west, south-<br/>east, south-west<br/>(NE, NW, SE, SW)<br/>horizontal, vertical, diagonal<br/>movement<br/>slide, roll<br/>whole turn, half turn, quarter<br/>turn, rotate<br/>angle, ...is a greater/smaller<br/>angle than<br/>right angle<br/>degree<br/>straight line<br/>stretch, bend<br/>ruler, set square<br/>angle measurer, compasses<br/>quadrant</p> | <p><b>General</b><br/>same, different<br/>missing number/s<br/>number facts, number pairs,<br/>number bonds<br/>greatest value, least value<br/>number line, number track<br/>number square, hundred square<br/>number cards, number grid<br/>abacus<br/>counters, cubes, blocks, rods<br/>die, dice<br/>dominoes<br/>pegs, peg board, pin board<br/>geo-strips<br/>same way, different way<br/>best way, another way<br/>in order, in a different order<br/>not<br/>all, every, each</p> |
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# YEAR 5

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| <p><b>Numbers and place value</b><br/> <b>Place value ordering and rounding</b><br/> units, ones, tens, hundreds, thousands<br/> ten thousand, hundred thousand, million<br/> <b>digit</b>, one-, two-, three- or four-digit number<br/> <b>numeral</b><br/> 'teens' number<br/> place, place value<br/> stands for, represents<br/> <b>exchange</b><br/> the same number as, as many as<br/> equal to<br/> Of <b>two</b> objects/amounts:<br/> &gt;, greater than, more than, larger than, bigger than<br/> &lt;, less than, fewer than, smaller than<br/> ≥, greater than or equal to<br/> ≤, less than or equal to<br/> Of <b>three</b> or more objects/amounts:<br/> greatest, most, largest, biggest<br/> least, fewest, smallest<br/> one... ten... one hundred... one thousand more/less<br/> compare, order, size<br/> <b>ascending/descending</b> order<br/> first... tenth... twentieth<br/> last, last but one<br/> before, after, next<br/> between, <b>half-way</b> between<br/> guess how many, <b>estimate</b><br/> nearly, <b>roughly</b>, close to, about the same as<br/> <b>approximate</b>, <b>approximately</b><br/> ⊕, is <b>approximately</b> equal to<br/> just over, just under<br/> exact, exactly<br/> too many, too few, enough, not enough<br/> round (up or down), nearest<br/> round to the nearest<br/> ten/hundred<br/> round to the nearest thousand<br/> <b>integer</b>, positive, <b>negative</b><br/> <b>above/below</b> zero, minus<br/> <b>Roman numerals to 1000(m)</b></p> | <p><b>Properties of numbers and number sequences</b><br/> number, count, how many...?<br/> odd, even<br/> every other<br/> how many times?<br/> <b>multiple</b> of<br/> <b>digit</b><br/> next, <b>consecutive</b><br/> <b>sequence</b><br/> continue<br/> <b>predict</b><br/> <b>pattern</b>, pair, rule<br/> relationship<br/> sort, <b>classify</b>, <b>property</b><br/> <b>formula</b><br/> <b>divisible</b> (by), <b>divisibility</b>, <b>factor</b><br/> square number<br/> one squared, two squared... (1<sup>2</sup>, 2<sup>2</sup>...)</p> <p><b>Number – Fractions, decimals, percentages, ratio and proportion</b><br/> part, equal parts<br/> <b>fraction</b>, proper/improper<br/> <b>fraction</b><br/> <b>mixed</b> number<br/> <b>numerator</b>, <b>denominator</b><br/> <b>equivalent</b>, reduced to, <b>cancel</b><br/> one whole<br/> half, quarter, eighth<br/> third, sixth, ninth, twelfth<br/> fifth, tenth, twentieth, hundredth<br/> <b>proportion</b>, <b>ratio</b><br/> in every, for every<br/> to every, as many as<br/> <b>decimal</b>, <b>decimal fraction</b><br/> <b>decimal</b> point, <b>decimal</b> place<br/> percentage, per cent, %</p> <p><b>Calculations</b><br/> <b>Addition and subtraction</b><br/> add, addition, more, plus, increase<br/> <b>sum</b>, total, <b>altogether</b><br/> score<br/> double, near double<br/> how many more to make...?<br/> <b>subtract</b>, <b>subtraction</b>, take (away), minus, <b>decrease</b><br/> leave, how many are left/left over?<br/> difference between<br/> half, <b>halve</b><br/> how many more/fewer is...</p> | <p>how much more/less is...?<br/> equals, sign, is the same as<br/> tens <b>boundary</b>, hundreds <b>boundary</b><br/> units <b>boundary</b>, tenths <b>boundary</b><br/> <b>inverse</b><br/> <b>columnar</b> addition, <b>subtraction</b></p> <p><b>Multiplication and division</b><br/> lots of, groups of<br/> times, <b>multiply</b>, <b>multiplication</b>, <b>multiplied</b> by<br/> <b>multiple</b> of, product<br/> once, twice, three times... ten times...<br/> times as (big, long, wide... and so on)<br/> <b>repeated</b> addition<br/> <b>array</b><br/> <b>row</b>, <b>column</b><br/> double, <b>halve</b><br/> share, share equally<br/> one each, two each, three each...<br/> group in pairs, threes... tens<br/> equal groups of<br/> divide, division, divided by, divided into<br/> <b>remainder</b><br/> <b>factor</b>, <b>quotient</b>, <b>divisible</b> by<br/> <b>inverse</b><br/> <b>prime</b> number<br/> <b>prime</b> factor<br/> <b>composite</b> number<br/> <b>square</b> number<br/> <b>cubed</b> number</p> <p><b>Making decisions and reasoning</b><br/> <b>pattern</b>, <b>puzzle</b><br/> calculate, calculation<br/> <b>mental</b> calculation<br/> <b>method</b>, strategy<br/> <b>jotting</b><br/> answer<br/> right, correct, wrong<br/> what could we try next?<br/> how did you work it out?<br/> number <b>sentence</b><br/> sign, operation, <b>symbol</b>, <b>equation</b></p> |
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## Year 5

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| <p><b>Money</b><br/> money<br/> coin, note<br/> penny, pence, pound (£)<br/> price, cost<br/> buy, bought, sell, sold<br/> spend, spent<br/> pay<br/> change<br/> dear, costs more, more/most<br/> expensive<br/> cheap, costs less, cheaper,<br/> less/least expensive<br/> how much...? how many...?<br/> total, amount, value, worth<br/> discount<br/> currency</p> <p><b>STATISTICS</b><br/> count, tally, sort, vote<br/> survey, questionnaire<br/> data, database<br/> graph, block graph, line graph<br/> pictogram,<br/> represent<br/> group, set<br/> list, chart, bar chart, bar line<br/> chart<br/> tally chart<br/> table, frequency table<br/> Carroll diagram, Venn diagram<br/> label, title, axis, axes<br/> diagram<br/> most popular, most common<br/> least popular, least common<br/> mode, range<br/> maximum/minimum value<br/> classify, outcome</p> <p><b>Measurement</b><br/> <b>Measure (general)</b><br/> measure, measurement<br/> size<br/> compare<br/> unit, standard unit<br/> metric unit, imperial unit<br/> measuring scale, division<br/> guess, estimate<br/> enough, not enough<br/> too much, too little<br/> too many, too few<br/> nearly, roughly, about, close to<br/> about the same as,<br/> approximately<br/> just over, just under</p> | <p><b>Length</b><br/> length, width, height, depth,<br/> breadth<br/> long, short, tall, high, low<br/> wide, narrow, deep, shallow,<br/> thick, thin<br/> longer, shorter, taller, higher...<br/> and so on<br/> longest, shortest, tallest,<br/> highest... and so on<br/> far, further, furthest, near, close<br/> distance apart/between,<br/> distance to... from...<br/> edge, perimeter<br/> kilometre (km), metre (m)<br/> centimetre (cm), millimetre (mm)<br/> inches, mile<br/> ruler, metre stick, tape measure</p> <p><b>Mass</b><br/> mass: big, bigger, small,<br/> smaller, balances<br/> weight: heavy/light,<br/> heavier/lighter, heaviest/lightest<br/> weigh, weighs<br/> kilogram (kg), half-kilogram,<br/> gram (g)<br/> balance, scales</p> <p><b>Capacity</b><br/> full, half full, empty<br/> holds, contains<br/> litre (l), half-litre, millilitre (ml)<br/> pint, gallon<br/> container, measuring cylinder</p> <p><b>Area</b><br/> area, covers, surface<br/> square centimetre (cm<sup>2</sup>), square<br/> metre (m<sup>2</sup>)<br/> square millimetre (mm<sup>2</sup>)</p> <p><b>Time</b><br/> days of the week: Monday,<br/> Tuesday...<br/> months of the year: January,<br/> February...<br/> seasons: spring, summer,<br/> autumn, winter<br/> day, week, fortnight, month<br/> year, leap year, century,<br/> millennium<br/> weekend, birthday, holiday<br/> calendar, date, date of birth<br/> morning, afternoon, evening,<br/> night<br/> am, pm, noon, midnight</p> | <p>today, yesterday, tomorrow<br/> before, after, next, last<br/> now, soon, early, late, earliest,<br/> latest<br/> quick, quicker, quickest, quickly<br/> fast, faster, fastest, slow,<br/> slower, slowest, slowly<br/> takes longer, takes less time<br/> how long ago? how long will it<br/> be to...?<br/> how long will it take to...?<br/> timetable, arrive, depart<br/> hour, minute, second<br/> o'clock, half past, quarter to,<br/> quarter past<br/> clock, watch, hands<br/> digital/analogue clock/watch,<br/> timer<br/> 24-hour clock, 12-hour clock<br/> how often?<br/> always, never, often,<br/> sometimes, usually</p> <p><b>Geometry Shape</b><br/> shape, pattern<br/> flat, line, curved, straight<br/> round<br/> hollow, solid<br/> corner<br/> point, pointed<br/> face, side, edge, end<br/> sort<br/> make, build, construct, draw,<br/> sketch<br/> centre, radius, diameter<br/> net<br/> surface<br/> angle, right-angled<br/> congruent<br/> base, square-based<br/> vertex, vertices<br/> layer, diagram<br/> regular, irregular<br/> concave, convex<br/> open, closed<br/> degree</p> <p><b>3D Shapes</b><br/> 3D, three-dimensional<br/> cube, cuboid<br/> pyramid<br/> sphere, hemi-sphere, spherical<br/> cone<br/> cylinder, cylindrical<br/> prism<br/> tetrahedron, polyhedron,<br/> octahedron</p> |
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## Year 5

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| <p><b>2D Shapes</b><br/>2D, two-dimensional<br/>circle, circular, semi-circle<br/>triangle, triangular<br/>equilateral triangle, isosceles<br/>triangle, scalene triangle<br/>square<br/>rectangle, rectangular, oblong<br/>pentagon, pentagonal<br/>hexagon, hexagonal<br/>heptagon<br/>octagon, octagonal<br/>polygon<br/>quadrilateral</p> <p><b>Patterns and symmetry</b><br/>bigger, larger, smaller<br/>symmetrical<br/>line of symmetry, axis of<br/>symmetry<br/>line, reflective symmetry<br/>fold, match<br/>mirror line, reflection, reflect<br/>pattern, repeating pattern,<br/>translation</p> <p><b>Geometry - position</b></p> <p>over, under, underneath<br/>above, below, top, bottom, side<br/>on, in, outside, inside, around<br/>in front, behind, front, back<br/>before, after, beside, next to<br/>opposite, apart<br/>between, middle, edge, centre<br/>direction<br/>journey, route, map, plan<br/>left, right<br/>up, down, higher, lower<br/>forwards, backwards, sideways,<br/>across<br/>close, far, near<br/>along, through, to, from,<br/>towards, away from<br/>ascend, descend<br/>grid, row, column<br/>origin, coordinates<br/>clockwise, anti-clockwise<br/>compass point, north, south,<br/>east, west (N, S, E, W)<br/>north-east, north-west, south-<br/>east, south-west<br/>(NE, NW, SE, SW)<br/>horizontal, vertical, diagonal<br/>parallel, perpendicular<br/>x-axis, y-axis<br/>quadrant</p> | <p>movement<br/>slide, roll<br/>whole, half quarter turn<br/>rotate, rotation<br/>reflection<br/>angle, ...is a greater/smaller<br/>right angle, acute, obtuse<br/>degree<br/>straight line<br/>ruler, set square<br/>angle measurer, compasses,<br/>protractor</p> <p><b>General</b><br/>same, different<br/>missing number/s<br/>number facts, number pairs,<br/>number bonds<br/>greatest value, least value<br/>number line, number track<br/>number square, hundred square<br/>number cards, number grid<br/>abacus<br/>counters, cubes, blocks, rods<br/>die, dice, spinner<br/>dominoes<br/>pegs, peg board, pin board<br/>geo-strips<br/>same way, different way<br/>best way, another way<br/>in order, in a different order<br/>not<br/>all, every, each</p> |  |
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## YEAR 6

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|---|--|---|
| <p><b>Numbers and place value</b><br/>Place value, ordering and rounding<br/>units, ones, tens, hundreds, thousands<br/>ten thousand, hundred thousand, million<br/>digit, one-, two-, three- or four-digit number<br/>numeral<br/>'teens' number<br/>place, place value<br/>stands for, represents<br/>exchange<br/>equal to<br/>Of <b>two</b> objects/amounts:<br/>&gt;, greater than, more than, larger than, bigger than<br/>&lt;, less than, fewer than, smaller than<br/>≥, greater than or equal to<br/>≤, less than or equal to<br/>Of <b>three</b> or more objects/amounts:<br/>greatest, most, largest, biggest<br/>least, fewest, smallest<br/>one... ten... one hundred... one thousand more/less<br/>compare, order, size<br/><b>ascending/descending</b> order<br/>first... tenth... twentieth<br/>last, last but one<br/>before, after, next<br/>between, <b>half-way</b> between<br/>guess how many, <b>estimate</b><br/>close to, about the same as<br/><b>approximate, approximately</b><br/>is <b>approximately</b> equal to<br/>just over, just under<br/>exact, exactly<br/>too many, too few, enough, not enough<br/>round (up or down), nearest round to the nearest ten/hundred/thousand<br/><b>integer</b>, positive, <b>negative</b><br/><b>above/below zero</b>, minus</p> <p><b>Properties of numbers and number sequences</b><br/>number, count, how many...?<br/>odd, even<br/>every other<br/>how many times?<br/><b>multiple</b> of</p> | <p>next, <b>consecutive sequence</b><br/>continue<br/><b>predict</b><br/><b>pattern</b>, pair, rule<br/>relationship<br/>sort, <b>classify</b>, <b>property</b><br/><b>formula</b><br/><b>divisible</b> (by), <b>divisibility</b>, <b>factor</b>, <b>factorise</b><br/>square number<br/>one squared, two squared... (1<sup>2</sup>, 2<sup>2</sup>...)<br/><b>prime, prime factor</b></p> <p><b>Number – Fractions, decimals, percentages, ratio and proportion</b><br/>part, equal parts<br/><b>fraction</b>, proper/improper<br/><b>fraction</b><br/><b>mixed number</b><br/><b>numerator, denominator</b><br/><b>equivalent</b>, reduced to, <b>cancel</b><br/>one whole<br/>half, quarter, eighth<br/>third, sixth, ninth, twelfth<br/>fifth, tenth, twentieth<br/>hundredth, thousandth<br/><b>proportion, ratio</b><br/>in every, for every<br/>to every, as many as<br/><b>decimal, decimal fraction</b><br/><b>decimal point, decimal place</b><br/>percentage, per cent, %<br/><b>integer</b><br/><b>scale factor</b><br/><b>pie charts</b></p> <p><b>Calculations</b><br/><b>Addition and subtraction</b><br/>add, addition, more, plus, increase<br/><b>sum</b>, total, <b>altogether</b><br/>double, near double<br/>how many more to make...?<br/><b>subtract, subtraction</b>, take (away), minus, <b>decrease</b><br/>leave, how many are left/left over?<br/>difference between<br/>half, <b>halve</b><br/>how many more/fewer is... than...?<br/>how much more/less is...?<br/>equals, sign, is the same as</p> | <p><b>boundary</b><br/>units <b>boundary</b>, tenths <b>boundary</b><br/><b>inverse</b><br/><b>columnar addition and subtraction</b></p> <p><b>Multiplication and division</b><br/>lots of, groups of<br/>times, <b>multiply, multiplication</b>, <b>multiplied by</b><br/><b>long multiplication</b><br/><b>multiple</b> of, product<br/>once, twice, ten times...<br/>times as (big, long, wide...<br/><b>repeated addition</b><br/><b>array, row, column</b><br/>double, <b>halve</b><br/>share, share equally<br/>one each, two each..<br/>group in pairs, threes... tens<br/>equal groups of<br/>divide, division, divided by, divided into<br/>long division<br/><b>remainder</b><br/><b>factor, quotient, divisible by</b><br/><b>inverse</b><br/><b>factor</b></p> <p><b>Solving Problems</b><br/><b>pattern, puzzle</b><br/><b>calculate, calculation</b><br/><b>mental calculation</b><br/><b>method, strategy</b><br/><b>jotting</b>, answer<br/>right, correct, wrong<br/>what could we try next?<br/>how did you work it out?<br/>number <b>sentence</b><br/>sign, operation, <b>symbol</b>, <b>equation</b></p> <p><b>Money</b><br/>Money, <b>coin</b>, note<br/><b>penny</b>, pence, pound (£)<br/>price, cost<br/>buy, bought, sell, sold<br/>spend, spent<br/>pay, change<br/>dear, costs more, more/most expensive<br/>cheap, costs less, cheaper, less/least expensive<br/>how much...? how many...?<br/>total, amount, value, worth<br/><b>discount, profit, loss</b><br/><b>currency</b></p> |
|---|--|---|

digit

tens boundary, hundreds

**Year 6**

**Statistics**

count, tally, sort, vote  
survey, questionnaire  
data, database  
graph, block graph, line graph  
pictogram,  
represent, group, set  
list, chart, bar chart, bar line  
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

**Measurement (General)**

measure, measurement  
size  
compare  
unit, standard unit  
metric unit, imperial unit  
measuring scale, division  
guess, estimate  
enough, not enough  
too much, too little  
too many, too few  
nearly, roughly, about, close to  
about the same as,  
approximately  
just over, just under

**Length**

length, width, height, depth,  
breadth  
long, short, tall, high, low  
wide, narrow, deep, shallow,  
thick, thin  
longer, shorter, taller, higher...  
longest, shortest, tallest,  
highest...  
far, further, furthest, near, close  
distance apart/between,  
distance to... from...  
edge, perimeter, circumference  
kilometre (km), metre (m)  
centimetre (cm), millimetre (mm)  
mile, yard, feet, foot, inch  
ruler, metre stick, tape  
measure, compasses  
cubic mm, cm, m, Km,

**Mass**

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

**Capacity**

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

**Area**

area, covers, surface  
square centimetre (cm<sup>2</sup>), square  
metre (m<sup>2</sup>)  
square millimetre (mm<sup>2</sup>)  
perimeter

**Time**

All days of the week  
All months of the year  
All seasons  
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 until?  
timetable, arrive, depart  
hour, minute, second  
o'clock, half past, quarter to,  
quarter past  
clock, watch, hands  
digital/analogue clock/watch  
24-hour clock, 12-hour clock  
Greenwich Mean Time, British

**Geometry - shape**

shape, pattern  
flat, line  
curved, straight  
round  
hollow, solid  
point, pointed  
face, side, edge, end  
make, build, construct, draw,  
sketch, sort  
centre, radius, diameter  
circumference, concentric, arc  
net  
surface  
, right-angled  
congruent  
intersecting, intersection  
plane  
base, square-based  
vertex, vertices  
layer, diagram  
regular, irregular  
concave, convex  
open, closed  
tangram  
geometric

**3D Shapes**

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

**2D Shapes**

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

**Year 6**

**Patterns and symmetry**

size  
 bigger, larger, smaller  
 symmetrical  
 line of symmetry, axis of symmetry  
 line symmetry, reflective symmetry, fold  
 match  
 mirror line, reflection, reflect  
 pattern, repeating pattern, translation

**Geometry - 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  
 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  
 right angle, acute, obtuse, reflex  
 degree  
 straight line  
 ruler, set square  
 angle measurer, compasses, protractor

**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

