

HFL EDUCATION PRIMARY MATHS TEACHING AND LEARNING TEAM

## Index by year <br> group

## Year 1

## Number

Number: Counting and number properties

| number | twenty-one | even |
| :--- | :--- | :--- |
| count / counting | twenty-two | pattern |
| forwards | twenty-three | steps of |
| backwards | twenty-four | multiple |
| count on | up to | subitise |
| countback | ninety-nine |  |
| zero | odd |  |

## Number: Place value, ordering and comparing

| value | first | below |
| :--- | :--- | :--- |
| digit | second | middle |
| same | third | sort |
| different | fourth | sequence |
| one / ones | fifth | equivalent |
| ten / tens | up to | greater than > |
| hundred | twentieth | less than < |
| column | order | digit |
| one-digit | amount | consecutive |
| two-digit | size | greatest |
| more / more than | number line | benchmark |
| less / less than | larger / largest | near / nearer |
| fewer/ fewer than | bigger / biggest | far |
| equal / equal to / = close to |  |  |
| not equal | smaller / smallest |  |
| most | estimate |  |
| fewest | compare |  |
| least | between |  |

Number: Calculation
total / in total
sum
plus
add / addition / +
altogether
combine
number bond
difference
distance between
subtract / subtraction / -
minus
missing number problems
left / leftover
part
whole
unknown
number sentence
equal
equally
unequal
pair
group / grouped
lots of groups of times array
regroup / regrouping addend subtrahend minuend bar model remainder multiple / multiples
take away / taken away
how much
how many
bonds
start / change/ result
facts
problems
grouping
share / shared
sharing
double / doubling / doubles
twice as
each
half / halving / halves

## Fractions

| half / halve / halves | grouping | numerator <br> quarter / quarters <br> one-quarter |
| :--- | :--- | :--- |
| part | denominator |  |
| two-quarters | equal parts | fraction notation: |
| three-quarters | same size | $\frac{1}{2}$ |
| sharing <br> group / groups | bar |  |
| equal / equally | $\frac{1}{4}$ |  |

## Measurement

Measurement: Time

| year | May | old / older |
| :--- | :--- | :--- |
| month | June | new / newer |
| week | July | clock / clock face |
| day | August | o'clock |
| weekday | September | half past |
| weekend | October | birthday |
| chronological order | November | watch |
| days of the week | December | hour |
| Monday | night | minute |
| Tuesday | hour | minutes past / to |
| Wednesday | minute | quarter past / to |
| Thursday | second | half past |
| Friday | morning | fast / faster /fastest |
| Saturday | afternoon | quick / quicker / quickest |
| Sunday | evening | slow / slower / slowest |
| months of the year | yesterday | early |
| January | today | earlier |
| February | tomorrow | late |
| March | before | later |
| April | after | time |

## Measurement: Mass

weigh
weight
heavy
heavier / heavier than
light
lighter / lighter than
lightest
balance
ruler
mass
gram
kilogram

## ESSENTIALmaths: Vocabulary index

heaviest

## Measurement: Length

height
long / longer / longest
tall / taller / tallest
short / shorter / shortest

Measurement: Capacity
volume
full / fuller / fullest
empty / emptier / emptiest
(weighing) scales
wide / wider / widest
narrow/ narrower/ narrowest
centimetre
metre

## far

distance
measure
more than
less than
half full
half
quarter
capacity

## Measurement: Money

coin / coins
note / notes
amount
penny / $p$
pound / $£$
one pence
two pence
five pence
ten pence
twenty pence
fifty pence combination money

## Geometry

## Geometry: Shape properties

pattern
2-D
rectangle / rectangles
square / squares
circle / circles
kite / kites
triangle / triangles
3-D
cube / cubes
cuboid / cuboids
pyramid / pyramids
cylinder / cylinders
sphere / spheres
side / sides
line
straight
curved
flat
open / closed shape
corner
base
point
diagonal
pentagon / pentagons
hexagon / hexagons
heptagon / heptagons
octagon / octagons
opposite

## Geometry: Position and direction

left
right
top
middle
bottom
on top of
in front of
behind
between
above
below
beneath
around

## Year 2

## Number

## Number: Counting and number properties

```
numeral
step counting
hundreds
count in multiples
```


## Number: Place value, ordering and comparing

| place value | half-way | digit |
| :--- | :--- | :--- |
| partition | three-digit | mid-point |
| place holder | equivalent | quartile |
| estimate | greater than $>$ |  |
| estimation | less than < |  |

## Number: Calculation

commutative
inverse
calculate
multiplication
division
times tables
multiplication table
repeated addition
reordering
mental method written method reduce
increase
combination
multiply / multiplied
fact family
calculation
divide
remainder
multiple / multiples
rebalancing
product
divisible

## Fractions

two-quarters
third
one-third
two-thirds
equivalent / equivalence
one whole
one and a quarter
one and two-quarters
one and a half
one and three-quarters
half as much
twice as much
numerator
denominator

## Measurement

## Measurement: Time

analogue
quarter past / to
five / ten / past / to
clockwise
anticlockwise
noon
midday
midnight
intervals of time

## Measurement: Mass

```
gram / g
scale
kilogram / kg
```


## Measurement: Length

| height | centimetre $/ \mathrm{cm}$ | millimetre $/ \mathrm{mm}$ |
| :--- | :--- | :--- |
| width | scale |  |
| metre $/ \mathrm{m}$ | standard units |  |

## Measurement: Capacity

| litre / | scale | three-quarters full |
| :--- | :--- | :--- |
| millilitre / ml | quarter full |  |

## Measurement: Money

| price | amount |
| :--- | :--- |
| cost | change |

## Measurement: Temperature

temperature
degrees

Celsius / ${ }^{\circ} \mathrm{C}$
thermometer

## Geometry

## Geometry: Shape properties

| vertical | hexagon / hexagons | mirror line |
| :--- | :--- | :--- |
| horizontal | heptagon / heptagons | properties |
| Vertex / vertices | octagon / octagons | classify |
| edge / edges | prism / prisms | opposite |
| face / faces | cone / cones | regular |
| quadrilateral / quadrilaterals | symmetry | irregular |
| polygon / polygons | line of symmetry |  |
| pentagon / pentagons | surface |  |

## Geometry: Position and direction

| sequence | straight line | north |
| :--- | :--- | :--- |
| rotate | arrange | south |
| rotation | anti-clockwise | east |
| angle | row | west |
| right angle | column | compass |

## Statistics

| pictogram | key | Carroll diagram |
| :--- | :--- | :--- |
| tally chart | sorting | block graph |
| tallies | totalling | scale |
| block diagram | comparing | title |
| table | horizontal | frequent |
| data | vertical | survey |
| category / categories | Venn diagram | axis / axes |

## Ratio and proportion

times as many
for every

## Year 3

## Number

## Number: Counting and number properties

| one hundred and one | integer / integers | ascending |
| :--- | :--- | :--- |
| one hundred and two | decimal / decimals | descending |
| one hundred and three | decimal notation |  |
| up to <br> one thousand |  |  |

## Number: Place value, ordering and comparing

round / rounding / rounded
approximately / ~

Number: Calculation
column addition
column subtraction
multiple(s)
inverse operations
remainder
associative law
short multiplication
nearest ten
nearest hundred
nearest whole
three-digit

## Fractions

| fifths | ninths | non-unit fraction |
| :--- | :--- | :--- |
| sixths | tenths | discrete |
| sevenths | order | continuous |
| eighths | unit-fraction |  |

## Measurement

## Measurement: Time

Roman numerals to XII
am (ante meridiem)
pm (post meridiem)
duration
analogue clock
digital
digital clock
12-hour clock

24-hour clock
event
leap year

## Measurement: Length

perimeter
millimetre / mm
length

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## Geometry

## Geometry: Shape properties

orientation
degree / degrees
angle
right angle
perpendicular
parallel
horizontal
vertical
quadrilateral
polyhedron
polyhedral
acute angle
obtuse angle
reflection
orientation
three-dimensions
right-angle triangle
internal angle
congruent

## Geometry: Position and direction

north compass
south
east
west
north compass

## Statistics

| bar chart | interpret | continuous data |
| :--- | :--- | :--- |
| block graph | frequent | label |
| scale | survey | inferring |
| title | discrete data |  |

## Year 4

## Number

## Number: Counting and number properties

thousands
Roman numerals (up to 100 / C)
negative numbers
positive numbers

## Number: Place value, ordering and comparing

nearest thousand
four-digit

## Number: Calculation

operation / operations
methods

Fractions
hundredths
decimal equivalents
decimal places
factor
factor pairs
decimal point
proportion
convert
derive
distributive law
proper fractions
improper fractions

## Measurement

Measurement: Time
convert
conversion

## Measurement: Length

rectilinear figure
dimensions
area

## Geometry

## Geometry: Shape properties

| classify | parallelogram / parallelograms | rhombus / rhombuses |
| :--- | :--- | :--- |
| nonagon / nonagons | trapezium / trapeziums | geometric shapes |
| decagon / decagons | protractor | internal angle |
| isosceles | adjacent | congruent |
| scalene | regular |  |
| equilateral | irregular |  |

Geometry: Position and direction
co-ordinates
pairs of coordinates/coordinate pairs
first quadrant plot
grid scale
translate label
translation $x$-axis
axis / axes $\quad y$-axis

| Statistics |  |  |
| :--- | :--- | :--- |
| label | x-axis | inferring |
| graph | $y$-axis | variable |
| time graph | line graph |  |

## Algebra

rule

## Year 5

## Number

## Number: Counting and number properties

| ten thousand <br> hundred thousand | prime number |
| :--- | :--- |
| complement |  |

nearest million<br>nearest hundred thousand

linear sequence equivalence

## Number: Calculation

prime factor
common factor
short division
long multiplication
cube number
cube / cubed / (d) ${ }^{3}$
integer
dividend
divisor

## Fractions

mixed numbers
thousandths
per cent / \%
percentages

## Measurement

## Measurement: Mass

```
pound / lb
```


## Measurement: Length

composite
metric units
imperial units
inch / inches / in

Measurement: Capacity
pint / pt
centimetres cubed $\left(\mathrm{cm}^{3}\right)$
metres cubed ( $\mathrm{m}^{3}$ )
foot / feet / ft
metre squared ( $\mathrm{m}^{2}$ )
yard
mile
centimetre squared ( $\mathrm{cm}^{2}$ )
compound shape

## ESSENTIALmaths: Vocabulary index

## Geometry

## Geometry: Shape properties

| diagonal | reflex angle | missing angle |
| :--- | :--- | :--- |
| point | regular polygon | diagonal |
| reflection | irregular polygon | net |
| straight line $\left(180^{\circ}\right)$ | angles around a point |  |
| one whole turn $\left(360^{\circ}\right)$ |  |  |

## Geometry: Position and direction

$x$-axis
$y$-axis

| Statistics |  |  |
| :--- | :--- | :--- |
| timetables | axis | pie chart |
| two-way tables |  |  |

## Ratio

per

## Algebra

equation

## Year 6

## Number

Number: Counting and number properties
millions
ten millions

Number: Place value, ordering and comparing
interval
multi-digit

## Number: Calculation

| long division | brackets | BIDMAS |
| :--- | :--- | :--- |
| common multiples | abstract |  |
| order of operations | variables |  |

## Fractions

simplify
degrees of accuracy

## Measurement

## Measurement: Mass

stones
ounces

## Measurement: Length

millimetres cubed $\left(\mathrm{mm}^{3}\right)$
kilometres cubed ( $\mathrm{km}^{3}$ )

## Measurement: Capacity

millimetres cubed $\left(\mathrm{mm}^{3}\right)$
centimetres cubed ( $\mathrm{cm}^{3}$ )
metres cubed ( $\mathrm{m}^{3}$ )
gallons

## Measurement: Speed

miles per hour (mph)

## ESSENTIALmaths: Vocabulary index

## Geometry

## Geometry: Shape properties

dissect / dissection
net
radius
diameter
circumference
vertically opposite
complementary angles
dimensions
composite
exterior angle
intersect

## Geometry: Position and direction

co-ordinate plane
four quadrants

## Statistics

| pie chart | data set | conversion graph |
| :--- | :--- | :--- |
| mean | variable | convert |
| average |  |  |


| Ratio |  |  |
| :--- | :--- | :--- |
| times as many | scale factor | scaling |
| per | proportion | scale factor |
| for every | ratio $(a: b)$ | part to part |
| relative size | comparison | part to whole |


| Algebra |  |  |
| :--- | :--- | :--- |
| symbol | equation | generalise |
| letter | unknown | expression |
| sequence | variable | rule |
| algebraic / algebraically | constant | combinations |

## $40 \rightarrow 0$

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## Number and place value

| Number: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number: Counting and number properties |  |  |  |  |  |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| number <br> count / counting <br> forwards <br> backwards <br> count on <br> countback <br> zero <br> twenty-one <br> twenty-two <br> twenty-three <br> twenty-four <br> up to <br> ninety-nine <br> odd <br> even <br> pattern <br> steps of <br> multiple <br> subitise | numeral <br> hundreds step counting count in multiples | one hundred and one one hundred and two one hundred and three up to <br> one thousand integer / integers decimal / decimals decimal notation ascending descending | thousands Roman numerals (up to 100 / C) negative numbers positive numbers | ten thousand <br> hundred thousand <br> millions <br> Roman numerals (up to 1000 / M) power / powers of prime number complement composite (non-prime) square number square / squared / (d) ${ }^{2}$ cube number cube / cubed / (d) ${ }^{3}$ integer | millions ten million |

## Number: Place value, ordering and comparing

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| value <br> digit <br> same <br> different <br> one / ones <br> ten / tens <br> hundred <br> column <br> one-digit <br> two-digit <br> more / more than <br> less / less than <br> fewer/ fewer than <br> equal / equal to / = <br> not equal <br> most <br> fewest <br> least <br> first <br> second <br> third <br> fourth <br> fifth <br> up to <br> twentieth <br> order <br> amount <br> size | place value <br> partition <br> place holder <br> estimate <br> estimation <br> half-way <br> three-digit <br> equivalent <br> greater than > <br> less than < <br> digit <br> mid-point <br> quartile | round / rounding / rounded approximately $/ \approx$ <br> nearest ten nearest hundred nearest whole three-digit | nearest thousand four-digit | nearest million nearest hundred thousand linear sequence equivalence | interval <br> multi-digit |



## Number: Calculation

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| total / in total <br> sum <br> plus <br> add / addition / + <br> altogether <br> combine <br> number bond <br> difference <br> distance between <br> subtract / subtraction / - <br> minus <br> take away / taken away <br> how much <br> how many <br> bonds <br> start / change/ result <br> facts <br> problems <br> missing number problems <br> left / leftover <br> part <br> whole <br> unknown <br> number sentence <br> equal <br> equally <br> unequal <br> pair | commutative <br> inverse <br> calculate <br> multiplication <br> division <br> times tables <br> multiplication table <br> repeated addition <br> reordering <br> mental method <br> written method <br> reduce <br> increase <br> combination <br> multiply / multiplied <br> fact family <br> calculation <br> divide <br> remainder <br> multiple / multiples <br> rebalancing <br> product <br> divisible | column addition <br> column subtraction <br> multiple(s) <br> inverse operations <br> remainder <br> associative law <br> short multiplication <br> base fact <br> comparison <br> long division <br> correspondence <br> scaling <br> integer scaling <br> quotient <br> statements <br> derived facts <br> formal written layout <br> product <br> divisible <br> decomposition <br> distributive law | operation / operations <br> methods <br> factor <br> factor pairs <br> derive <br> distributive law | prime factor common factor short division long multiplication dividend divisor | long division <br> common multiples <br> order of operations <br> brackets <br> abstract <br> variables <br> BIDMAS |



## Fractions:

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| half / halve / halves <br> quarter / quarters <br> one-quarter <br> two-quarters <br> three-quarters <br> sharing <br> group / groups <br> grouping <br> part <br> whole <br> equal parts <br> same size <br> bar <br> numerator <br> denominator <br> equal / equally <br> fraction notation <br> $\frac{1}{2} \quad \frac{1}{4}$ | two-quarters <br> third <br> one-third <br> two-thirds <br> equivalent / equivalence <br> one whole <br> one and a quarter <br> one and two-quarters <br> one and a half one and three-quarters half as much twice as much numerator denominator <br> fraction notation <br> $\frac{1}{3} \quad \frac{2}{4} \quad \frac{3}{4}$ | fifths <br> sixths <br> sevenths <br> eighths <br> ninths <br> tenths <br> order <br> unit-fraction <br> non-unit fraction <br> discrete <br> continuous | hundredths decimal equivalents decimal places decimal point proportion convert proper fractions improper fractions | mixed numbers thousandths per cent / \% percentages | simplify <br> degrees of accuracy |

## Measurement: Time

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| year <br> month <br> week <br> day <br> weekday <br> weekend <br> chronological order <br> days of the week <br> Monday <br> Tuesday <br> Wednesday <br> Thursday <br> Friday <br> Saturday <br> Sunday <br> months of the year <br> January <br> February <br> March <br> April <br> May <br> June <br> July <br> August <br> September <br> October <br> November <br> December | analogue <br> quarter past / to <br> five / ten / past / to <br> clockwise <br> anticlockwise <br> noon <br> midday <br> midnight <br> intervals of time | Roman numerals to XII <br> am (ante meridiem) <br> pm (post meridiem) <br> duration <br> analogue clock <br> digital <br> digital clock <br> 12-hour clock <br> 24-hour clock <br> event <br> leap year | convert conversion |  |  |

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## Measurement: Mass

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| weigh <br> weight <br> heavy <br> heavier / heavier than <br> heaviest <br> light <br> lighter /lighter than <br> lightest <br> balance <br> (weighing) scales <br> ruler <br> mass <br> gram <br> Kilogram | kilogram $/ \mathrm{kg}$ <br> scale |  |  | pound/lb |

## Measurement: Length

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| height <br> long / longer / longest <br> tall / taller / tallest <br> short / shorter / shortest <br> wide / wider / widest <br> narrow / narrower/ <br> narrowest <br> centimetre <br> metre | height <br> width <br> metre / m <br> centimetre / cm <br> scale <br> standard units <br> millimetre / mm | perimeter <br> length <br> millimetre / mm | rectilinear figure area dimensions kilometre / km | composite <br> metric units <br> Imperial units <br> inch / inches / in <br> foot / feet / ft <br> yard <br> mile <br> centimetre squared ( $\mathrm{cm}^{2}$ ) <br> metre squared ( $\mathrm{m}^{2}$ ) |  |


| far <br> distance <br> measure |  |  | compound shape |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Measurement: Capacity

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| volume <br> full / fuller / fullest <br> empty / emptier / emptiest <br> more than <br> less than <br> half full <br> half <br> quarter <br> capacity | litre / 1 <br> millilitre / ml <br> scale <br> quarter full <br> three-quarters full |  |  | pint / pt <br> centimetres cubed ( $\mathrm{cm}^{3}$ ) <br> metres cubed ( $\mathrm{m}^{3}$ ) | millimetres cubed ( $\mathrm{mm}^{3}$ ) <br> centimetres cubed ( $\mathrm{cm}^{3}$ ) <br> metres cubed ( $\mathrm{m}^{3}$ ) <br> gallons |

## Measurement: Money



| combination money |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Measurement: Temperature |  |  |  |  |  |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  | temperature <br> degrees <br> Celsius / ${ }^{\circ} \mathrm{C}$ <br> thermometer <br> scale |  |  |  |  |
| Measurement: Speed |  |  |  |  |  |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|  |  |  |  |  | miles per hour (mph) metres per second (m/s) kilometres per hour (km/h) |

## Geometry: Shape properties

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pattern <br> 2-D / two-dimensional <br> rectangle / rectangles <br> square / squares <br> circle / circles <br> kite / kites <br> triangle / triangles <br> 3-D / three-dimensional <br> cube / cubes <br> cuboid / cuboids <br> pyramid / pyramids <br> cylinder / cylinders <br> sphere / spheres <br> side / sides <br> line <br> straight <br> curved / flat <br> open / closed shape <br> corner <br> base <br> point <br> diagonal <br> pentagon / pentagons <br> hexagon / hexagons <br> heptagon / heptagons <br> octagon / octagons | vertical <br> horizontal <br> vertex / vertices <br> edge / edges <br> face / faces <br> quadrilateral / <br> quadrilaterals <br> polygon / polygons <br> pentagon / pentagons <br> hexagon / hexagons <br> heptagon / heptagons <br> octagon / octagons <br> prism / prisms <br> cone / cones <br> symmetry <br> line of symmetry <br> surface <br> mirror line <br> properties <br> classify <br> opposite <br> regular <br> irregular | orientation <br> degree / degrees <br> angle <br> right angle <br> perpendicular <br> parallel <br> horizontal <br> vertical <br> quadrilateral <br> polyhedron <br> polyhedral <br> acute angle <br> obtuse angle <br> reflection <br> orientation <br> three-dimensions <br> right-angle triangle <br> internal angle <br> congruent | classify <br> nonagon / nonagons <br> decagon / decagons <br> isosceles <br> scalene <br> equilateral <br> parallelogram / <br> parallelograms <br> trapezium / trapeziums <br> protractor <br> adjacent <br> regular <br> irregular <br> rhombus / rhombuses <br> geometric shapes <br> internal angle <br> congruent | diagonal <br> point <br> reflection <br> straight line ( $180^{\circ}$ ) <br> one whole turn ( $360^{\circ}$ ) <br> reflex angle <br> regular polygon <br> irregular polygon <br> angles around a point <br> missing angle <br> diagonal <br> net | dissect / dissection <br> net <br> radius <br> diameter <br> circumference <br> vertically opposite <br> complementary angles <br> dimensions <br> composite <br> exterior angle <br> intersect |

## Geometry: Position and direction

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| left <br> right <br> top <br> middle <br> bottom <br> on top of <br> in front of <br> behind <br> between <br> above <br> below <br> beneath <br> around <br> near <br> close <br> far <br> up <br> down <br> forwards <br> backwards <br> inside <br> outside <br> clockwise <br> repeated <br> position <br> direction <br> movement <br> whole turn | sequence <br> rotate <br> rotation <br> angle <br> right angle <br> straight line <br> arrange <br> anti-clockwise <br> row <br> column <br> north <br> south <br> east <br> west <br> compass | north <br> south <br> east <br> west <br> compass | co-ordinates pairs of coordinates/ coordinate pairs first quadrant plot grid translate translation axis / axes scale label x-axis $y$-axis | $x$-axis $y$-axis | co-ordinate plane four quadrants |



## Statistics

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | pictogram <br> tally chart <br> tallies <br> block diagram <br> table <br> data <br> category / categories <br> key <br> sorting <br> totalling <br> comparing <br> horizontal <br> vertical <br> Venn diagram <br> Carroll diagram <br> block graph <br> scale <br> title <br> frequent <br> survey <br> axis / axes | bar chart <br> block graph <br> scale <br> title <br> interpret <br> frequent <br> survey <br> discrete data <br> continuous data <br> label <br> inferring | label <br> graph <br> time graph <br> $x$-axis <br> $y$-axis <br> line graph <br> inferring <br> variable | timetables <br> two-way tables <br> axis <br> pie chart | pie chart <br> mean <br> average <br> data set <br> variable <br> conversion graph <br> convert |

## Ratio and proportion

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | times as many <br> for every |  |  | per <br> times as many <br> per <br> for every <br> relative size <br> scale factor <br> proportion <br> ratio (a:b) <br> comparison |  |
| scaling |  |  |  |  |  |
| scale factor |  |  |  |  |  |
| part to part |  |  |  |  |  |
| part to whole |  |  |  |  |  |


| Algebra | Year 2 | Year 3 4 | Year 5 | Year 6 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Year 1 |  |  | variable <br> rule | symbol <br> letter <br> sequence <br> algebraic algebraically <br> equation <br> unknown <br> variable <br> constant <br> generalise <br> expression |
|  |  |  |  | rule <br> combinations |

