

## Maths vocabulary progression

Strand	Year 3	Year 4	Year 5	Year 6
Number and place value	hundreds tens exchange ones digit column zero, one, two, three... to twenty zero, ten, twenty... one hundred position decrease increase tenths decimal point	thousands hundreds exchange tens ones digit columns value position increase decrease round multiple negative zero	hundred thousands ten thousands thousands hundreds tens ones exchange digit columns value position increase decrease round multiple negative positive zero	million hundred thousands ten thousands thousands hundreds tens ones exchange digit columns value position increase decrease round multiple negative positive zero
Addition and subtraction	zero regroup ones tens hundreds total plus sum addend subtract minuend subtrahend difference bridge partition exchange	sum thousands hundreds tens ones addend exchange bridge subtract minuend subtrahend exchange difference partition regroup	ones tens hundreds thousands ten thousand one hundred thousand tenths hundredths thousandths sum total addend minuend subtrahend regroup exchange	addition subtraction multiplication division brackets order of operations indices squared cubed

			difference between efficient	
Multiplication and division	factor product multiple odd even divisible partition product regroup dividend divisor remainder	zero factor product multiple odd even divisible commutative multiplier product dividend divisor remainder quotient	tenths hundredths thousandths column digit multiplier dividend divisor _ times larger - times smaller prime composite factor multiple integer common factor divisible squared cubed multiplier multiplicand product dividend divisor remainder	multiples common divisible factors prime multiplier multiplicand product divisor dividend quotient remainder addition subtraction multiplication division brackets order of operations indices squared cubed
Fractions, decimals, percentages	denominator numerator unit fraction non-unit fraction equivalent fifths sixths sevenths eighths ninths tenths	denominator numerator unit fraction non-unit fraction equivalent multiplier tenths hundredths digit column round	denominator numerator unit fraction non-unit fraction equivalent tenths hundredths thousandths percentage mixed number improper fraction	simplify denominator numerator equivalent improper proper common multiple factor equivalent percent mixed number

		<p>whole number pounds pence regroup exchange efficient</p>	<p>common denominator multiple factor multiplier thousandths hundredths tenths ones digit column round decimal place</p>	<p>common denominator sum product divisor tenths hundredths thousandths column digit multiplicand multiplier dividend divisor _ times larger - times smaller</p>
Measures	<p>length metre centimetre millimetre unit perimeter mass gram kilogram capacity litre millilitre scale Roman numeral second minute day month year leap year January February March</p>	<p>analogue digital 24-hour hour minute week day litre millilitre kilogram milligram perimeter area length width rectilinear</p>	<p>convert metres centimetres millimetres litres millilitres kilograms grams metric imperial perimeter rectilinear inch pint pounds (lbs) area volume capacity squared cubed seconds minutes hours</p>	<p>convert miles kilometres metres centimetres millimetres litres millilitres kilograms grams triangle parallelogram area perimeter base perpendicular height volume cuboid cube squared cubic cubed</p>

	<p>April  May  June  July  August  September  October  November  December  analogue  digital  part  whole  total  sum  spend  change  pence  pounds  coins  notes</p>		<p>days  weeks</p>	
<p>Geometry</p>	<p>horizontal  vertical  parallel  perpendicular  equi-distant  polygon  triangle  quadrilateral  square  hexagon  pentagon  octagon  polyhedron  cuboid  cube  prism  pyramid</p>	<p>equilateral  isosceles  scalene  quadrilateral  parallel  parallelogram  rhombus  trapezium  kite  adjacent  classify  property  symmetry  reflection  angle  acute  obtuse</p>	<p>angle  acute  obtuse  reflex  degrees (°)  regular  irregular  polygon  rectangle  quadrilateral  diagonal  net  square  rectangle  triangle  polygon  cube</p>	<p>degrees  vertex  vertically opposite  equilateral  isosceles  scalene  quadrilateral  polygon  regular  interior  pentagon  hexagon  octagon  symmetry  parallel  perpendicular  dimension</p>

	<p>cylinder  cone  sphere  face  edge  vertex  angle  right angle  turn  quarter turn</p>	<p>right angle  coordinate  quadrant  polygon  translation  left  right  up  down  horizontal  vertical</p>	<p>cuboid  prism  pyramid  congruent  translate  translation  reflect  reflection  parallel  axes  object  image</p>	<p>construct  prism  pyramid  polyhedron  face  edge  vertex/ vertices  pentagonal  triangular  hexagonal  isometric  circumference  diameter  radius  coordinates  axes  x-axis  y-axis  quadrant  negative  positive  origin  translate  reflect  object  image</p>
Statistics	<p>pictogram  symbol  represents  scale  bar chart  data  table  row  column  category</p>	<p>scale  represent  axes  category</p>	<p>scale  represent  axes  category  column  row  timetable  duration</p>	<p>line graph  pie chart  mean  average  data  discrete</p>
Ratio and proportion				equivalent

				percentage scale factor dimension similar
Algebra				formula unknown variable linear sequence term