



Maths Key Vocabulary Progression

	F2	Y1	Y2	Y3	Y4	Y5	Y6
1. Place value	sort group digit count back one more one less matched fewer greater than equal to most least fewest greatest number line order number bond	sort group number track digit pattern one more one less matched fewer greater than (>) less than (<) equal to (=) most least fewest greatest number line order tens (10s) ones (1s) more smallest number bond fact family compare 100 square number square place value grid	digit tens ones place value grid partition more fewer fewest greatest smallest partition	hundreds (100s) tens (10s) ones (1s) digit place value more less greater than (>) less than (<) equal to order compare partition estimate exchange	tens hundreds thousands rounding order more than (>) less than (<) partition numeral nearest distance ascending descending rounding negative step multiple greater than (>) less than (<)	ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) hundred thousands (100,000s) millions (1,000,000s) ten million (10,000,000) million (1,000,000) round order ascending descending less than (<) greater than (>) sequence	ten thousands (10,000s) hundred thousands (100,000s) thousands (1,000s) ten thousands (10,000s) millions (1,000,000s) ten million (10,000,000) place value partition interval estimate compare order rounding negative positive
2. Addition and subtraction	group part-whole model number sentence whole part altogether in total plus add How many are left? take away subtract	group plus part-whole model whole part number sentence altogether in total plus add count on missing part	fact family number sentence number bond column 10 more 10 less total tens ones subtract difference bar model represent	addition subtraction mental method column method exchange estimate approximate/ly digit	addition total more than (>) subtraction less than (<) column method estimate how much strategy efficient accurate exact fact	add subtract ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) mentally inverse round estimate sum	column addition column subtraction estimate

	count backwards How many more? How many fewer? difference	How many are left? in total taken away subtract subtraction addition count backwards How many more? How many fewer? difference			diagram		
3. Multiplication and division	equal groups double twice share	equal groups array row column double twice share	equal groups multiplication (×) times-table times division (÷) division share group odd even	equal multiply divide times-table sharing grouping array bar model remainder repeated addition multiplication sentence division statement division fact partition	multiply (×) divide (÷) multiplication fact division fact lots of groups of times-table array partition array bar model part-whole model remainder factor pair factor commutative	prime number composite number square number cube number square (2) cube (3) inverse operation multiply divide multiple factor prime factor	multiplication short division long division remainder factor estimate common factor common multiple prime divide multiple factor prime factor squared (2) cubed (3) order of operations brackets inverse operation
4. Fractions, decimals and percentages	half	half halves quarter	whole equal equal parts $\frac{1}{2}$ fraction denominator fraction bar numerator $\frac{1}{4}$ $\frac{3}{4}$ third $\frac{1}{3}$ unit fraction non-unit fraction equivalent	equal parts whole unit fraction equation integer non-unit fraction numerator denominator represent share group mixed number whole number divide set of objects multiply tenth interval equivalent fraction	tenths hundredths equivalent simplify numerator denominator fraction mixed number improper fraction simplest fraction fraction of an amount decimal point equivalent decimal 0.1 and 0.01 decimal place	equivalent numerator denominator whole fraction simplify division mixed number convert sequence proper fraction improper fraction convert common denominator fraction of an amount operator decimal	numerator denominator common denominator common factor equivalent simplify simplest form highest common factor lowest common multiple (LCM) compare order ascending descending proper fraction improper fraction mixed number

				inequality statement		decimal place tenth hundredth thousandth decimal point place value digit fraction per cent (%) percentage one decimal place two decimal places	convert lowest common denominator recurring decimal percent percentage (%)
5. Position and direction	turn left right forwards backwards above below top middle bottom up down in between	turn half turn quarter turn three-quarter turn whole turn position left right forwards backwards above below top middle bottom up down in between	clockwise anticlockwise forwards backwards left right middle turn half turn quarter turn three-quarter turn		reflection rotation position horizontal vertical up down left right coordinates square rectangle plot vertex vertices point grid	reflection translation vertex vertices coordinates mirror line horizontal axis vertical axis	quadrant four quadrants translate translation x-axis y-axis axis axes horizontal vertical vertex reflect reflection
6. Shape	3D shape cube cuboid sphere pyramid cylinder cone 2D shape circle triangle rectangle face pattern	3D cube cuboid sphere pyramid cylinder cone 2D circle triangle square rectangle face repeated	quadrilateral polygon pentagon hexagon vertex vertices line of symmetry symmetrical octagon hemisphere curved surface edge prism	right angle acute obtuse parallel perpendicular vertical horizontal triangle quadrilateral kite trapezium rhombus parallelogram cuboid triangular prism	rectangle square rectilinear shape unit triangle quadrilateral reflection rotation regular irregular interior angle angle acute obtuse right angle	angle whole turn right angle acute angle obtuse angle reflex angle degree (°) interior angle clockwise anticlockwise orientation parallel perpendicular angle right angle	area volume perimeter parallelogram height enclosed width length square centimetre (cm ²) square metre (m ²) base estimate formula compound shape

				<p>square-based pyramid cone cylinder sphere edge face vertices</p>	<p>symmetrical isosceles scalene equilateral line of symmetry reflective symmetry</p>	<p>interior angle quadrilateral view regular irregular 3D shape pyramid sphere cone hexagon pentagon triangle top view plan view side view</p>	<p>cubic centimetre (cm³) cubic metre (m³)</p>
7. Measure	<p>long, longer, longest short, shorter, shortest tall, taller, tallest heavier, heaviest lighter, lightest full empty</p>	<p>long, longer, longest short, shorter, shortest tall, taller, tallest heavier, heaviest lighter, lightest full empty length height compare measure distance ruler centimetre capacity balance scales weight, weigh balanced measure estimate</p>	<p>mass heavier than lighter than gram (g) hundreds kilogram (kg) volume millilitre (ml) litre (l) temperature degrees Celsius (°C) thermometer</p>	<p>length height width perimeter distance centimetre (cm) millimetre (mm) metre (m) unit of measurement measure equivalent convert greater than (>) less than (<) ruler metre stick interval scale</p>	<p>length width perimeter distance rectangle square rectilinear shape centimetre (cm) metre (m) kilometre (km) equivalent to</p>	<p>perimeter distance area space length width centimetre square centimetre (cm²) metre square metre (m²) scale compare estimate formula convert metric unit imperial unit kilo kilogram gram millimetre centimetre metre kilometre litre millilitre pound (lb) ounce (oz) inch (in)</p>	<p>metric imperial unit of measurement (or measure) gram (g) kilogram (kg) pound (lbs) ounce (oz) mass millilitre (ml) litre (l) pint capacity millimetre (mm) centimetre (cm) metre (m) kilometre (km) inch (in) foot (ft) yard (yd) mile length convert conversion table conversion graph</p>

						foot (ft) yard (yd) pint gallon stone (st) approximately volume solid capacity calculate estimate unit cube	
8. Time	before after yesterday today tomorrow day week slower faster month year calendar date	before after yesterday today tomorrow day week slower faster month year calendar date minute hand hour hand o'clock half past second minute hour	o'clock half past quarter past quarter to minute hand hour hand duration	month year midnight midday am pm duration estimate consecutive hour minute second past to start end digital clock analogue clock	convert compare unit of time second minute hour day week month year 12-hour 24-hour analogue digital am/pm		
9. Money	pound pence coin note pence (p)	pound pence coin note pence (p)	pound (£) pence (p) coin note change	pounds (£) pence (p) convert total difference change	notes coins pounds (£) pence (p) add subtract change round to the nearest order greater than (>) less than (<)		

					cheaper more expensive estimate over estimate under estimate total		
10. Algebra							sequence rule term algebra expression calculation formula substitute generalise operation calculate equation inverse solution
11. Ratio							ratio proportion part whole scale scale factor similar notation
12. Statistics			tally chart pictogram key	pictogram key bar chart scale table row column vertical axis horizontal axis	data line graph pictogram bar chart table altogether more than (>) greatest smallest continuous data compare	graph line graph table dual line graph horizontal vertical two-way table scale axis/axes data plot/plotted tallies/tally digits	mean average pie chart segment line graph bar chart percentage fraction data

New vocabulary is written in red.