Key vocabulary list – Year 6

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
6A Unit 1: Place value within 10,000,000	ten thousands (10,000s) hundred thousands (100,000s) millions (1,000,000s) ten million (10,000,000) place value partition interval estimate compare order rounding negative positive	
6A Unit 2: Four operations (1)	column addition remainder factor common factor common multiple prime composite squared (x^2) cubed (x^3)	
6A Unit 3: Four operations (2)	factor short division long division column multiplication long multiplication order of operations brackets inverse operations	column multiplication long multiplication short division order of operations brackets inverse operations
6A Unit 4: Fractions (1)	numerator denominator common denominator common factor equivalent simplify simplest form factor highest common factor lowest common multiple (LCM) compare order improper fraction mixed number convert lowest common denominator	simplest form simplify lowest common denominator

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
6A Unit 5: Fractions (2)	numerator denominator whole number mixed number convert simplify integer improper fraction proper fraction	integer
6A Unit 6: Measure – imperial and metric measures	metric imperial units of measurement grams (g) kilograms (kg) pounds (lb) ounces (oz) feet (ft) yards (yd) millilitres (ml) litres (l) pints (pt) capacity millimetres (mm) centimetres (cm) metres (m) kilometres (km) inches (in) mass miles length convert conversion table conversion graph	units of measurement miles conversion table conversion graph
6B Unit 7: Ratio and proportion	ratio proportion part whole scale scale factor similar notation	ratio notation scale factor similar
6B Unit 8: Algebra	sequence rule term algebra expression calculation formula substitute generalise operation calculate equation solution	rule algebra operation expression substitute

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
6B Unit 9: Decimals	multiply divide decimal decimal place (dp) recurring decimal placeholder place value tenths hundredths thousandths products fraction	recurring decimal
6B Unit 10: Percentages	per cent (%) percentage parts whole decimal fraction divide share multiply convert compare order equivalent fraction simplify less than (<) greater than (>)	
6B Unit 11: Measure: perimeter, area and volume	area volume perimeter parallelogram height perpendicular width length square centimetres (cm^2) square metres (m^2) base estimate formula compound shape dimensions cubic centimetres (cm^3) cubic metres (m^3)	dimensions compound shape base cubic centimetres
6C Unit 12: Statistics	mean average pie chart segments line graph bar chart percentage fraction data	pie chart segments average mean

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
6C Unit 13: Geometry – properties of shapes	degree angle obtuse acute reflex right angle protractor triangle isosceles isometric equilateral scalene regular polygon quadrilateral parallelogram kite rhombus trapezium diameter radius circumference concentric perimeter nets pyramid tetrahedron cylinder prism vertically opposite angles cuboid cube	protractor vertically opposite angles isosceles radius concentric diameter circumference nets tetrahedron isometric
6C Unit 14: Geometry – position and direction	quadrant four quadrants translate translation x-axis y-axis axis axes horizontal vertical vertex vertices reflect reflection positive negative	x-axis y-axis four quadrants

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
6C Unit 15: Problem solving	partition estimate round compare equivalent percentage ratio proportion convert common denominator coordinates translation reflection vertex scaling isosceles triangle	scaling

Key vocabulary list – Year 5

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
5A Unit 1: Place value within 1,000,000 (1)	ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) hundred thousands (100,000s) more than (>) less than (<) place value partition estimate	ten thousands hundred thousands
5A Unit 2: Place value within 1,000,000 (2)	ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) hundred thousands (100,000s) million (1,000,000) round order ascending descending less than (<) greater than (>)	million
5A Unit 3: Addition and subtraction	add subtract ones (1s) tens (10s) hundreds (100s) thousands (1,000s) ten thousands (10,000s) mentally inverse round estimate distance chart	mentally distance chart inverse
5A Unit 4: Multiplication and division (1)	prime number composite number square number cube number square (x^2) cube (x^3) lowest common multiple multiply divide multiple factor	lowest common multiple common factor prime number composite number square number cube number

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
5A Unit 5: Fractions (1)	equivalent numerator denominator whole fraction improper fraction mixed number convert order greater than (>) less than (<) is equal to (=)	improper fraction mixed number
5A Unit 6: Fractions (2)	add subtract proper fraction improper fraction convert equivalent fraction mixed number denominator numerator whole common denominator	common denominator proper fraction
5B Unit 7: Multiplication and division (2)	multiply divide add subtract place value partition equal multiple remainder sum total	
5B Unit 8: Fractions (3)	multiply proper fraction improper fraction mixed number whole(s) equal parts divide fraction of an amount operator numerator denominator convert	

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
5B Unit 9: Decimals and percentages	decimal decimal place tenths hundredths thousandths decimal point place value digits fractions per cent (%) percentage	per cent percentage
5B Unit 10: Measure – perimeter and area	perimeter distance area length width polygon centimetres (cm) square centimetres (cm^2) brackets metres square metres (m^2) formula compare estimate 2D shape	brackets square metres compound shape
5B Unit 11: Graphs and tables	graph line graph table dual line graph horizontal vertical two-way table scale axis/axes vertical axis horizontal axis data kilometres (km) kilograms (kg) plot/plotted tallies/tally timetable	data horizontal axis vertical axis graph axes dual line graph tallies two-way table timetable

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
5C Unit 12: Geometry – properties of shapes	angle whole turn right angle acute angle obtuse angle degree (°) interior angle clockwise anticlockwise parallel perpendicular regular irregular top view plan view side view	reflex interior angles top view plan view side view
5C Unit 13: Geometry – position and direction	reflection translation vertex vertices coordinates mirror line horizontal vertical	reflection mirror line
5C Unit 14: Decimals	add subtract decimal tenths hundredths thousandths complement divide decimal point whole multiply column exchange place value decimal place digit	complement
5C Unit 15: Negative numbers	positive negative increase decrease temperature interval step counting sequence	negative positive increase decrease

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
5C Unit 16: Measure – converting units	convert metric units imperial units kilo kilogram gram milli millimetre centimetre metre kilometre litre millilitre pound (lb) ounce (oz) inch (in) foot (ft) yard (yd) pint gallon stone (st) approximately timetable	kilo milli metric units inch foot imperial units yard pound ounce stone pint gallon
5C Unit 17: Measure – volume	volume cube cuboid 3D shape solid capacity cm^3 cube estimate least greatest	cm^3 cube

Key vocabulary list – Year 4

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
4A Unit 1: Place value – 4-digit numbers (1)	tens hundreds thousands partition place value number line multiples digit	
4A Unit 2: Place value – 4-digit numbers (2)	thousands ascending descending round order multiple round up round down greater than (>) less than (<)	round round up round down
4A Unit 3: Addition and subtraction	addition total subtraction more than less than column method estimate how much strategy efficient accurate exact fact	how much strategy efficient accurate exact
4A Unit 4: Measure – area	space area rectangle square rectilinear shape unit larger greater smaller	space area unit rectilinear shape
4A Unit 5: Multiplication and division (1)	multiple (×) divide (÷) multiplication fact division fact factor groups of times-table array product fact family related fact	groups of product factor

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
4B Unit 6: Multiplication and division (2)	multiply divide times-tables remainder bar model factor pair factors	factor pair
4B Unit 7: Length and perimeter	length width perimeter distance rectangle square rectilinear shape centimetre (cm) metre (m) kilometre (km) equivalent to regular polygon	kilometre regular polygon
4B Unit 8: Fractions (1)	mixed number improper fraction numerator denominator fraction equivalent simplify simplest fraction	mixed number improper fraction simplest fraction simplify
4B Unit 9: Fractions (2)	numerator denominator add subtract improper fraction mixed number fraction of an amount	
4B Unit 10: Decimals (1)	tens ones decimal point tenths hundredths equivalent decimal centimetre millimetre	decimal decimal point hundredths

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
4C Unit 11: Decimals (2)	tenths hundredths 0·1 and 0·01 equivalent whole number round greater than (>) less than (<) equal to (=) order compare decimal place ascending descending	decimal place
4C Unit 12: Money	notes coins pounds (£) pence (p) add subtract change total order greater than (>) less than (<) cheaper more expensive estimate over estimate under estimate	more expensive over estimate under estimate cheaper
4C Unit 13: Time	convert compare units of time seconds minutes hours days weeks months years 12-hour 24-hour analogue digital am/pm	unit of time 24-hour 12-hour

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
4C Unit 14: Geometry – angles and 2D shapes	quadrilateral triangle regular irregular interior angle angle acute obtuse polygon right angle symmetric isosceles scalene equilateral line of symmetry reflective symmetry	isosceles scalene equilateral interior angles reflective symmetry symmetric
4C Unit 15: Statistics	data line graph pictogram bar chart tale altogether more than compare	line graph continuous
4C Unit 16: Geometry – position and direction	position horizontal vertical up down left right coordinate plot vertex vertices point grid translate	grid coordinates point translation

Key vocabulary list – Year 3

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
3A Unit 1: Place value within 1,000	hundreds (100s) tens (10s) ones (1s) place value more less greater than (>) less than (<) equal to order compare estimate exchange ascending descending	hundreds exchange ascending descending
3A Unit 2: Addition and subtraction (1)	addition subtraction mental method exchange bonds	bonds
3A Unit 3: Addition and subtraction (2)	exchange column method estimate mental method multiple sum digit approximate add subtract difference plus minus total place value	digit multiple approximately
3A Unit 4: Multiplication and division (1)	equal multiply divide multiple times-tables sharing grouping array bar model repeated addition commutative	repeated addition commutative

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
3A Unit 5: Multiplication and division (2)	equal multiply divide multiple times-tables sharing grouping array bar model repeated addition multiplication sentence multiplication fact division sentence division fact remainder	multiplication sentence division sentence remainder
3B Unit 6: Multiplication and division (3)	multiplication division statement number sentence compare less than (<) greater than (>) equal (=) equally least most remainder expanded written method share multi-step	statement expanded written method equally
3B Unit 7: Length and perimeter	length height width perimeter distance centimetres (cm) millimetres (mm) metres (m) measure unit of measurement add subtract multiply equivalent convert greater than (>) less than (<) ruler metre stick	metre stick ruler millimetres convert perimeter

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
3B Unit 8: Fractions (1)	equivalent numerator denominator compare add fraction whole equivalent fraction greater than (>) less than (<) equal to multiply inequality statement divide	equivalent fraction
3B Unit 9: Mass	mass measure kilograms (kg) scale interval grams (g)	interval scale
3B Unit 10: Capacity	capacity litre (l) millilitres (ml) convert scale interval	
3C Unit 11: Fractions (2)	numerator denominator add subtract fraction whole equal to multiply divide parts set of objects	
3C Unit 12: Money	pounds (£) pence (p) convert total difference change	

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
3C Unit 13: Time	numerals month year midnight midday am pm duration hour minute second past to start end digital clock	numerals digital am (ante meridiem) pm (post meridiem) midday midnight end duration
3C Unit 14: Angles and properties of shapes	right angle acute obtuse parallel perpendicular vertical horizontal triangle quadrilateral kite trapezium rhombus parallelogram cuboid triangular prism square-based pyramid cone tetrahedron cylinder sphere edges faces vertices clockwise anticlockwise	right angle acute obtuse horizontal vertical parallel perpendicular
3C Unit 15: Statistics	pictogram key bar chart scale table row column vertical axis	bar chart vertical axis

Key vocabulary list – Year 2

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
2A Unit 1: Numbers to 100	tens ones place value grid partition more fewer fewest greatest smallest	place value grid partitioning
2A Unit 2: Addition and subtraction (1)	add subtract difference sum fact family number sentence total number bonds multiples plus minus	complement
2A Unit 3: Addition and subtraction (2)	total tens ones subtract difference 10 more 10 less bar model represent	10 more 10 less difference
2A Unit 4: Properties of shapes	pentagon polygon prism quadrilateral hexagon hemisphere symmetry symmetrical vertex vertices edge side face line of symmetry curved surface	quadrilateral side pentagon hexagon vertex vertices line of symmetry symmetrical polygon hemisphere curved surface edge prism
2B Unit 5: Money	pounds (£) pence (p) coins notes change	£ change

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
2B Unit 6: Multiplication and division (1)	equal groups multiplication (×) times (×) divide (÷) division (÷) sharing grouping unequal array	multiplication divide division sharing grouping
2B Unit 7: Multiplication and division (2)	divide (÷) division (÷) share group odd even times-table	times-table odd even share
2B Unit 8: Length and height	length centimetres (cm) metres (m) longer shorter metre stick height width compare distance	metres width distance centimetres
2B Unit 9: Mass, capacity and temperature	mass balance weighing scales grams (g) kilograms (kg) litres (l) millilitres (ml) volume capacity temperature thermometer degrees Celsius (°C) estimate heavier than lighter than heaviest lightest	heavier than lighter than heaviest lightest balance grams weighing scales kilograms volume capacity millilitres litres thermometer temperature degrees Celsius
2C Unit 10: Fractions	half ($\frac{1}{2}$) quarter ($\frac{1}{4}$) third ($\frac{1}{3}$) three quarters ($\frac{3}{4}$) whole equal parts equivalent denominator numerator non-unit fraction unit fraction	whole equal parts denominator numerator unit fraction equivalent three quarters non-unit fraction

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
2C Unit 11: Time	o'clock half past quarter past quarter to minute hand hour hand hours minutes	quarter past quarter to
2C Unit 12: Problem solving and efficient methods	number facts calculate mentally bar model partition number line part-whole model 100 square	partition calculate mentally
2C Unit 13: Position and direction	clockwise anticlockwise forwards backwards left right middle turn half turn quarter turn three-quarter turn	anticlockwise clockwise three-quarter turn
2C Unit 14: Statistics	tally chart pictogram key table block diagram	tally chart block diagram pictogram key

Key vocabulary list – Year 1

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
1A Unit 1: Numbers to 10	sort groups one more one less count on count back count up smallest most greatest fewer fewest pattern less than (<) greater than (>) equal to (=) number line	sort groups count on one more pattern count up count back one less fewer greater than fewer than equal to most fewest smallest greatest number line
1A Unit 2: Part-whole within 10	group part whole number sentence part-whole model in total altogether plus	in total part whole part-whole model number sentence plus number bond altogether
1A Unit 3: Addition within 10	altogether in total add added missing part count on number stories	add added number stories missing part
1A Unit 4: Subtraction within 10	How many are left? take away subtract fact family count back	subtract take away parts fact family
1A Unit 5: 2D and 3D shapes	3D shape cube cuboid sphere pyramid cylinder cone 2D shape circle triangle rectangle faces pattern square repeated	3D shape cube cuboid sphere pyramid cylinder cone 2D shape triangle circle square rectangle faces pattern repeated

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
1B Unit 6: Numbers to 20	smallest order ones tens smaller larger one more one less less than fewer than more than greater than most fewest	more than tens less than order smaller larger
1B Unit 7: Addition and subtraction within 20	add altogether subtract difference How many are left? fact family How many fewer? number bonds	How many are left? subtraction How many more? How many fewer? difference
1B Unit 8: Numbers to 50	ones tens compare order less than (<) greater than (>)	
1B Unit 9: Introducing length and height	measure length height compare short, shorter, shortest tall, taller, tallest long, longer, longest wide, wider, widest thin, thinner, thinnest	compare height shorter taller tallest longest longer wider thinner long tall measure length
1B Unit 10: Introducing mass and capacity	heavier, heaviest lighter, lightest capacity balance scales full empty compare weight, weigh mass balanced measure estimate	heavier lighter balance scales weigh mass heaviest lightest full empty estimate capacity weight

Textbook and unit	Key vocabulary highlighted in this unit	New vocabulary
1C Unit 11: Multiplication and division	equal groups array row column double share	equal groups row array column double share
1C Unit 12: Fractions	half halves quarter whole part	half halves quarter
1C Unit 13: Position and direction	turn half turn quarter turn whole turn left right forwards backwards above below top middle bottom first second third fourth	half turn quarter turn left right forwards backwards above position top middle bottom below first second third fourth
1C Unit 14: Numbers to 100	100 square one more one less greater than less than tens (10s) ones (1s)	100 square
1C Unit 15: Money	pound pence coins notes greater than (>) less than (<)	coins pence pound notes
1C Unit 16: Time	before after yesterday today tomorrow day week month year calendar hour minute hand hour hand o'clock half past	before after day week yesterday tomorrow today calendar month year o'clock minute hand hour hand hour half past