



Year 5/6 overview

Autumn 1 lessons

Week	Y5 Topic	Y6 Topic
1	Numbers to 100,000 Numbers to a million Compare and order any integer	Numbers to a million Numbers to 10 Million Compare and order any integer
2	Partitioning numbers Reading and writing numbers Number Lines Negative Numbers Negative number problems	Partitioning numbers Reading and Writing numbers Number lines Negative Numbers Negative number problems
3	Round within 100,000 Rounding any Integer Mental strategies for +/- Add and subtract whole numbers (Including exchanges)	Round within 100,000 Rounding any Integer Mental strategies for +/- Add and subtract whole numbers (Including exchanges)
4	Counting in 10/100/1000 Roman Numerals to 1000 Solving problems with Roman numerals	Baseline Assessment

Week	Y5 Topic	Y6 Topic
5.	Round to check answers Inverse operations +/- Multi-step problems Multiples Common multiples	Round to check answers Inverse operations +/- Multi-step problems Multiples Common multiples
6	Factors and common factors Rules of Divisibility Square Numbers Cube Numbers Prime Numbers	Factors and common factors Rules of Divisibility Square numbers cubed numbers Prime Numbers
7	Multiply 4 digits by 1 digit Long multiplication Multiplication problems	Multiply 4 digits by 1 digit Long multiplication Multiplication problems
8	Multi-step problems and reasoning challenges (Place value and number) Assessment week	Residential

Autumn 2 lessons

Week	Year 5 Topic	Year 6 Topic
1	Short division (bus stop method) Short division – rounding remainders problems	Short division (bus stop method) Short division – rounding remainders problems Long Division – partitioning Long Division
2	Division using factors Mixed operation word problems Multiply by 10/100/1000 Divide by 10/100/1000	Division using factors Mixed operation word problems Multiply by 10/100/1000 Divide by 10/100/1000
3	Order of operations Equivalent fractions Simplifying Fractions Improper fractions to mixed numbers	Order of operations Equivalent fractions Simplifying Fractions Improper fractions to mixed numbers
4	Mixed numbers to improper fractions Compare and order fractions (same denominator/numerator) Compare and order fractions (different denominators) Order fractions greater than 1	Mixed numbers to improper fractions Compare and order fractions (same denominator/numerator) Compare and order fractions (different denominators) Compare and order fractions greater than 1

Week	Y5 Topic	Y6 Topic
5	Add fractions within 1 Add mixed numbers Subtract fractions Subtract fractions- breaking the whole	Add fractions Add mixed numbers Subtract Fractions Subtract fractions – breaking the whole Assessments
6	Subtract mixed numbers +/- fraction problem solving Multiply fractions Multiply mixed numbers	Subtract mixed numbers +/- fraction problem solving Multiply fractions Multiply mixed numbers
7	Divide Fractions Divide Mixed Numbers Calculate fractions of an amount	Divide Fractions Divide Mixed numbers Calculate fractions of an amount

Spring 1 lessons

Week	Y5 Topic	Y6 Topic
1	Decimals up to 2 DP Decimals as fractions (tenths) Decimals as fractions (hundredths) Decimals as fractions (Thousandths)	Decimals up to 2 DP Decimals as fractions (tenths) Decimals as fractions (hundredths) Decimals as fractions (Thousandths)
2	Order and compare decimals Rounding Decimals to the nearest whole number Rounding decimals (hundredths/Thousandths) Understanding percentages	Order and compare decimals Rounding Decimals to the nearest whole number Rounding decimals (hundredths/Thousandths) Understanding Percentages
3	Fractions to percentages Percentages as fractions and decimals Ordering FDP Percentage of an amount	Fractions to percentages Percentages as fractions and decimals Ordering FDP Percentage of an amount
4	Add and subtract decimals (same number of decimal places) Add and subtract decimals (Different number of decimal places) Subtract a decimal from a whole number	Add and subtract decimals (same number of decimal places) Add and subtract decimals (Different number of decimal places) Subtract a decimal from a whole number

5	Decimal Sequences Multiply decimals by 10/100/1000 Divide decimals by 10/100/1000 FDP Problem Solving	Decimal Sequences Multiply decimals by 10/100/1000 Divide decimals by 10/100/1000 FDP problem Solving
6	Multiply and divide decimals my integers Assessment week	Multiply and divide decimals my integers Assessment week

Spring 2 lessons

Week	Year 5 Topic	Year 6 Topic
1	Kilometres Kilograms and kilometres Millimetres and Millilitres Metric units	Division to solve metric measures Convert metric measures Calculate with metric measures Imperial measures
2	Imperial units converting units of length Units of Measure problem solving	(Algebra) Find a rule – one step Find a rule – two step
3	Measuring perimeter/using a ruler to measure Perimeter on a grid Perimeter of rectangles Measuring perimeter of real life spaces (Practical activity around class/school)	Forming expressions Substitution Formulae forming equations Solve one and two step equations Find pairs of values
4	Perimeter of rectilinear shapes Area-counting squares/estimating Area of rectangles Area of compound shapes Area of a right angle triangle	Perimeter of rectilinear shapes Area-counting squares/estimating Area of compound shapes Area of a right angle triangle
5	Area of a triangle – counting squares Area of a triangle – perpendicular height Area of a parallelogram Perimeter and area problem solving	Area of a triangle – counting squares Area of a triangle – perpendicular height Area of a parallelogram Perimeter and area problem solving

Summer 1 lessons

Week	Y5 Topic	Y6 Topic
1	Telling the time to the nearest 5 minutes Digital and analogue time Converting time	Ratio Ratio and fractions Ratio symbol Calculating ratio Using Scale Factors
2	Draw Line Graphs Read and interpret line graphs Using line graphs to solve problems	Calculating Scale Factors Ratio and proportion problems Draw Line Graphs Read and interpret line graphs Using line graphs to solve problems
3	What is volume? Compare volume Estimate volume Estimate capacity	Pie Charts Pie Charts with percentages Volume counting cubes Volume of a Cuboid
4	Identify angles Classify angles Estimate angles Measure angles up to 180 degrees	Measure with a protractor Angles Vertically opposite angles Angles in a triangle Angles in special quadrilaterals Angles in regular polygon

5	Draw lines and angles accurately Calculate angles on a straight line Calculate angles around a point Angles in a triangle	SATS WEEK
6	Regular and irregular polygons Reasoning – 3D shapes Read and plot coordinates Position in the first quadrant	Draw shapes accurately Draw nets Quadrants Translations Translations with coordinates

Summer 2 lessons

Week	Year 5 Topic	Year 6 Topic
1	Translation Translations with coordinates Lines of symmetry	Lines of symmetry Complete a symmetrical figure Reflections Reflections with coordinates
2	Reflection in horizontal lines Reflection in vertical lines Reflections with coordinates	Simulation project: Bakery Best value Calculating profit and loss Cooking Problems
3	Understand Negative Numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers	Themed Project: Business Enterprise Market research – comparing costs/best values
4	Find the difference (negative numbers) Problem solving – negative numbers	Themed Project: Business Enterprise Cost/profit of one item Cost/profit of multiple items Market research – customer feedback presented in graphs
5	Read and interpret tables Two-way tables Read and interpret timetables	Themed Project: Business Enterprise Investment Presentations Market Day Calculating actual profit
6	Themed project: Design a Theme Park	Themed Project: Business Enterprise Business Awards