

KS3 Maths Now Assessment mapping

Year 7

KS3 Maths Progress Test	KS3 Maths Now subtopics covered
Year 7: Baseline Test	2.1 Sequences and rules 2.2 Working out missing terms 3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.3 Area of a triangle 3.4 Area of a parallelogram 4.2 Arithmetic with negative numbers 5.2 The mean 8.1 Calculating angles 9.1 Rounding numbers 10.1 Coordinates 11.2 Fractions of a quantity 14.3 Ratios and sharing 16.1 Finding unknown numbers 17.1 Interpreting pie charts 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 19.1 Reflections 20.3 Rounding large numbers 22.1 Graphs from linear equations 26.1 Adding and subtracting fractions 26.4 Dividing fractions 33.3 Calculating the original value 37.3 Unit costs 40.3 Rounding appropriately 40.4 Mental calculations 40.5 Solving problems
Year 7: Addition and subtraction core	3.1 Perimeter and area of a rectangle 6.3 Mixed numbers and improper fractions 6.4 Adding and subtracting mixed numbers 9.1 Rounding numbers 9.5 Adding and subtracting decimals 11.1 Fractions, decimals and percentages 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 20.3 Rounding large numbers 40.3 Rounding appropriately 40.4 Mental calculations 40.5 Solving problems

<p>Year 7: Addition and subtraction extended</p>	<p>3.1 Perimeter and area of a rectangle 6.3 Mixed numbers and improper fractions 6.4 Adding and subtracting mixed numbers 9.1 Rounding numbers 9.5 Adding and subtracting decimals 11.1 Fractions, decimals and percentages 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 20.3 Rounding large numbers 20.4 Significant figures 29.1 Equations with brackets 29.2 Equations with the variable on both sides 29.3 More complex equations 35.3 Equations with brackets 40.3 Rounding appropriately 40.4 Mental calculations 40.5 Solving problems</p>
<p>Year 7: Multiplication and division core</p>	<p>3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.3 Area of a triangle 3.4 Area of a parallelogram 5.2 The mean 6.3 Mixed numbers and improper fractions 9.6 Multiplying and dividing decimals 14.3 Ratios and sharing 18.1 Short and long multiplication 18.2 Short and long division 25.5 Using index notation 40.4 Mental calculations 40.5 Solving problems</p>
<p>Year 7: Multiplication and division extended</p>	<p>1.1 Factors and highest common factors 3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.3 Area of a triangle 3.4 Area of a parallelogram 5.2 The mean 6.3 Mixed numbers and improper fractions 9.6 Multiplying and dividing decimals 18.1 Short and long multiplication 18.2 Short and long division 25.5 Using index notation 39.1 Calculating the length of the hypotenuse 39.2 Calculating the length of a shorter side 40.4 Mental calculations 40.5 Solving problems</p>

Year 7: Geometry core	3.1 Perimeter and area of a rectangle 8.1 Calculating angles 8.2 Angles in a triangle 8.3 Angles in a quadrilateral 15.2 Rotation symmetry 15.3 Properties of triangles and quadrilaterals 21.1 Percentage increases and decreases 33.2 Percentage increases and decreases 34.1 Angles in polygons 34.3 Angles in regular polygons 36.1 Metric units for area and volume
Year 7: Geometry extended	3.5 Area of a trapezium 8.1 Calculating angles 8.2 Angles in a triangle 15.2 Rotation symmetry 15.3 Properties of triangles and quadrilaterals 22.2 Gradient of a straight line 34.1 Angles in polygons 34.3 Angles in regular polygons 36.1 Metric units for area and volume
Year 7: Fractions core	4.1 The number line 6.1 Equivalent fractions 6.2 Adding and subtracting fractions 6.3 Mixed numbers and improper fractions 9.3 Putting decimals in order 11.1 Fractions, decimals and percentages 11.2 Fractions of a quantity 26.1 Adding and subtracting fractions 26.2 Multiplying fractions 26.3 Multiplying mixed numbers 26.4 Dividing fractions 40.4 Mental calculations
Year 7: Fractions extended	4.1 The number line 6.1 Equivalent fractions 6.2 Adding and subtracting fractions 6.3 Mixed numbers and improper fractions 9.3 Putting decimals in order 11.1 Fractions, decimals and percentages 14.3 Ratios and sharing 26.1 Adding and subtracting fractions 26.2 Multiplying fractions 26.3 Multiplying mixed numbers 26.4 Dividing fractions 40.4 Mental calculations

<p>Year 7: Algebra core</p>	<p>2.1 Sequences and rules 2.2 Working out missing terms 7.1 Order of operations 7.2 Expressions and substitution 7.3 Simplifying expressions 7.4 Using formulae 9.2 Multiplying and dividing by powers of 10 10.2 Graphs from formulae 16.1 Finding unknown numbers 16.2 Solving equations 25.1 Algebraic notation 25.2 Like terms 25.3 Expanding brackets 25.4 Using algebraic expressions 35.1 Multiplying out brackets 35.2 Factorising algebraic expressions 40.4 Mental calculations 41.1 More about brackets 41.2 Factorising expressions containing powers 41.3 Expanding the product of two brackets</p>
<p>Year 7: Algebra extended</p>	<p>2.1 Sequences and rules 2.2 Working out missing terms 2.3 Other sequences 3.1 Perimeter and area of a rectangle 4.3 Subtraction with negative numbers 7.1 Order of operations 7.2 Expressions and substitution 7.3 Simplifying expressions 7.4 Using formulae 9.2 Multiplying and dividing by powers of 10 10.2 Graphs from formulae 16.2 Solving equations 16.3 Solving more complex equations 16.4 Setting up and solving equations 20.1 Powers and roots 25.1 Algebraic notation 25.2 Like terms 25.3 Expanding brackets 25.4 Using algebraic expressions 25.5 Using index notation 35.1 Multiplying out brackets 35.2 Factorising algebraic expressions 40.4 Mental calculations 41.1 More about brackets 41.2 Factorising expressions containing powers 41.3 Expanding the product of two brackets</p>

<p>Year 7: Percentages and statistics core</p>	<p>4.1 The number line 5.1 Mode, median, range 5.2 The mean 5.3 Statistical diagrams 9.3 Putting decimals in order 11.1 Fractions, decimals and percentages 11.3 Percentages of quantities 17.1 Interpreting pie charts 21.3 Calculating a percentage change 33.2 Percentage increases and decreases 33.4 Using percentages 40.4 Mental calculations</p>
<p>Year 7: Percentages and statistics extended</p>	<p>5.1 Mode, median, range 5.2 The mean 5.3 Statistical diagrams 9.4 Estimates 11.1 Fractions, decimals and percentages 11.3 Percentages of quantities 17.1 Interpreting pie charts 17.2 Drawing pie charts 21.3 Calculating a percentage change 32.1 Grouped frequency tables 32.3 Comparing data 33.2 Percentage increases and decreases 33.4 Using percentages 40.4 Mental calculations</p>

Year 8

KS3 Maths Progress Test	KS3 Maths Now subtopics covered
<p>Year 8: Baseline Test</p>	<p>2.2 Working out missing terms 3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.3 Area of a triangle 3.4 Area of a parallelogram 4.1 The number line 5.2 The mean 6.2 Adding and subtracting fractions 8.1 Calculating angles 8.2 Angles in a triangle 8.3 Angles in a quadrilateral 8.4 Angles with parallel lines 9.1 Rounding numbers 15.3 Properties of triangles and quadrilaterals 16.2 Solving equations 16.4 Setting up and solving equations 17.1 Interpreting pie charts 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 26.1 Adding and subtracting fractions 26.2 Multiplying fractions 29.1 Equations with brackets 29.2 Equations with the variable on both sides 29.3 More complex equations 32.3 Comparing data 34.1 Angles in polygons 35.3 Equations with brackets 36.1 Metric units for area and volume 40.3 Rounding appropriately 40.5 Solving problems</p>
<p>Year 8: Number Core</p>	<p>1.1 Factors and highest common factors 1.2 Multiples and lowest common multiples 1.3 Prime factors 6.3 Mixed numbers and improper fractions 11.1 Fractions, decimals and percentages 20.5 Large numbers in standard form 25.5 Using index notation 40.2 Standard form for small numbers 40.4 Mental calculations</p>

<p>Year 8: Number Extended</p>	<p>1.1 Factors and highest common factors 1.2 Multiples and lowest common multiples 1.3 Prime factors 2.2 Working out missing terms 6.3 Mixed numbers and improper fractions 11.1 Fractions, decimals and percentages 20.5 Large numbers in standard form 25.5 Using index notation 40.2 Standard form for small numbers 40.4 Mental calculations</p>
<p>Year 8: Algebraic expressions Core</p>	<p>2.3 Other sequences 2.4 The nth term of a sequence 2.5 Finding the nth term 3.1 Perimeter and area of a rectangle 4.1 The number line 4.2 Arithmetic with negative numbers 4.3 Subtraction with negative numbers 4.4 Multiplication with negative numbers 6.3 Mixed numbers and improper fractions 7.2 Expressions and substitution 9.2 Multiplying and dividing by powers of 10 10.4 Graphs of the form $x + y = a$ 11.1 Fractions, decimals and percentages 16.2 Solving equations 25.1 Algebraic notation 25.4 Using algebraic expressions 29.1 Equations with brackets 29.2 Equations with the variable on both sides 29.3 More complex equations 29.4 Rearranging formulae 35.3 Equations with brackets 35.4 Equations with fractions 40.4 Mental calculations 41.1 More about brackets 41.3 Expanding the product of two brackets</p>
<p>Year 8: Algebraic expressions Extended</p>	<p>2.3 Other sequences 2.4 The nth term of a sequence 2.5 Finding the nth term 3.1 Perimeter and area of a rectangle 4.3 Subtraction with negative numbers 4.5 Division with negative numbers 6.3 Mixed numbers and improper fractions 7.1 Order of operations 7.2 Expressions and substitution 9.2 Multiplying and dividing by powers of 10 9.5 Adding and subtracting decimals 10.4 Graphs of the form $x + y = a$ 11.1 Fractions, decimals and percentages 16.2 Solving equations 16.4 Setting up and solving equations 25.1 Algebraic notation</p>

	<p>25.2 Like terms 25.4 Using algebraic expressions 25.5 Using index notation 29.1 Equations with brackets 29.2 Equations with the variable on both sides 29.3 More complex equations 29.4 Rearranging formulae 35.3 Equations with brackets 35.4 Equations with fractions 40.4 Mental calculations 41.1 More about brackets 41.3 Expanding the product of two brackets</p>
Year 8: 2D geometry Core	<p>3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.5 Area of a trapezium 7.4 Using formulae 8.2 Angles in a triangle 8.3 Angles in a quadrilateral 8.4 Angles with parallel lines 8.5 Constructions 36.1 Metric units for area and volume 40.5 Solving problems</p>
Year 8: 2D geometry Extended	<p>3.1 Perimeter and area of a rectangle 3.2 Compound shapes 3.5 Area of a trapezium 7.4 Using formulae 8.2 Angles in a triangle 8.4 Angles with parallel lines 22.2 Gradient of a straight line 36.1 Metric units for area and volume 40.5 Solving problems</p>
Year 8: Proportional reasoning Core	<p>11.1 Fractions, decimals and percentages 11.2 Fractions of a quantity 11.4 Percentages with a calculator 14.1 Introduction to ratio 14.4 Ratios in everyday life 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 21.1 Percentage increases and decreases 21.2 Using a multiplier 24.2 Enlargements 24.3 Shape and ratio 24.4 Scales 30.1 Direct proportion 30.2 Graphs and direct proportion 30.3 Inverse proportion 30.4 Comparing direct and inverse proportion 31.2 Distance-time graphs 33.2 Percentage increases and decreases 33.3 Calculating the original value</p>

	<p>33.4 Using percentages 37.1 Speed 37.2 More about proportion 37.3 Unit costs 40.5 Solving problems</p>
Year 8: Proportional reasoning Extended	<p>3.1 Perimeter and area of a rectangle 3.5 Area of a trapezium 9.4 Estimates 11.1 Fractions, decimals and percentages 11.4 Percentages with a calculator 14.1 Introduction to ratio 14.4 Ratios in everyday life 18.3 Calculations with measurements 18.4 Multiplication with large and small numbers 18.5 Division with large and small numbers 21.1 Percentage increases and decreases 21.2 Using a multiplier 24.2 Enlargements 24.3 Shape and ratio 24.4 Scales 30.1 Direct proportion 30.2 Graphs and direct proportion 30.3 Inverse proportion 30.4 Comparing direct and inverse proportion 33.2 Percentage increases and decreases 33.3 Calculating the original value 33.4 Using percentages 37.1 Speed 37.2 More about proportion 37.3 Unit costs 40.5 Solving problems</p>
Year 8: 3D geometry Core	<p>3.1 Perimeter and area of a rectangle 3.2 Compound shapes 7.4 Using formulae 9.1 Rounding numbers 12.1 Naming and drawing 3D shapes 12.2 Using nets to construct 3D shapes 12.3 Volume of a cuboid 12.4 Surface area of a cuboid 20.3 Rounding large numbers 20.4 Significant figures 27.2 Formula for the circumference of a circle 27.3 Formula for area of a circle 36.2 Volume of a prism 36.3 Surface area of a prism 36.4 Volume of a cylinder 40.3 Rounding appropriately 40.5 Solving problems</p>

<p>Year 8: 3D geometry Extended</p>	<p>3.2 Compound shapes 3.5 Area of a trapezium 7.4 Using formulae 9.1 Rounding numbers 12.1 Naming and drawing 3D shapes 12.2 Using nets to construct 3D shapes 20.3 Rounding large numbers 20.4 Significant figures 27.2 Formula for the circumference of a circle 27.3 Formula for area of a circle 36.2 Volume of a prism 40.3 Rounding appropriately 40.5 Solving problems</p>
<p>Year 8: Statistics Core</p>	<p>5.1 Mode, median, range 5.2 The mean 10.3 Graphs of $x = a$, $y = b$, $y = x$ and $y = -x$ 17.1 Interpreting pie charts 17.3 Grouped frequencies 17.4 Collecting continuous data 21.1 Percentage increases and decreases 32.1 Grouped frequency tables 32.4 Which average to use 33.2 Percentage increases and decreases 37.3 Unit costs</p>
<p>Year 8: Statistics Extended</p>	<p>5.1 Mode, median, range 5.2 The mean 9.4 Estimates 17.3 Grouped frequencies 21.1 Percentage increases and decreases 32.1 Grouped frequency tables 32.4 Which average to use 33.2 Percentage increases and decreases 37.3 Unit costs</p>