

Year 5	
Place Value	The value of numbers to 10,000.
	The value of numbers to 100,000.
	The value of numbers to 1,000,000.
	Read and write numbers to 1,000,000.
	Understand the powers of 10.
	Calculate 10/100/1000/10,000/100,000 more or less than a number.
	Partition numbers to 1,000,000.
	Read, complete and understand number lines to 1,000,000.
	Compare and order numbers to 100,000.
	Compare and order numbers to 1,000,000.
	Round numbers to the nearest 10,100 or 1000.
	Round numbers within 100,000.
	Round numbers within 1,000,000.
	Roman numerals to 1000.
Addition & Subtraction	Add and subtract using mental strategies.
	Add whole numbers with more than four digits.
	Subtract whole numbers with more than four digits.
	Round numbers to check answers.
	Carry out inverse operations with addition & subtraction.
	Solve multi-step addition and subtraction problems.
	Compare a range of calculations.
	Find missing numbers within different addition and subtraction methods.
Multiplication & Division (Part 1)	Understand multiples.
	Find common multiples.
	Understand factors.
	Find common factors.
	Prime numbers.
	Square numbers.
	Cube numbers.
	Multiply by 10,100 and 1000.
Fractions (Pt. 1)	Find fractions equivalent to unit fraction.
	Find fractions equivalent to a non-unit fractions.
	Recognise equivalent fractions.
	Convert improper fractions to mixed numbers.
	Compare fractions less than 1.
	Order fractions less than 1.
	Compare and order fractions greater than 1.
	Add and subtract fractions with the same denominator.
	Add fractions within 1.

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	Add fractions with a total greater than 1.
	Add to a mixed number.
	Add two mixed numbers.
	Subtract fractions.
	Subtract from a mixed number.
	Subtract from a mixed number- breaking the whole.
	Subtract two mixed numbers.
Multiplication & Division (Pt. 2)	Multiply a 4-digit number by a 1-digit number.
	Multiply a 2-digit number by a 2-digit number.
	Multiply a 3-digit number by a 2-digit number.
	Multiply a 4-digit number by a 2-digit number.
	Solve problems with multiplication.
	Short division.
	Divide a 4-digit number by a 1-digit number.
	Divide with remainders.
	Carry out efficient division.
	Solve problems with multiplication & division.
Fractions (Pt. 2)	Multiply a unit fraction by an integer.
	Multiply a non-unit fraction by an integer.
	Multiply a mixed number by an integer.
	Calculate a fraction of a quantity.
	Find a fraction of an amount.
	Find the whole (using bar models).
Decimals & Percentages	Understand decimals up to 2 decimal places.
	Equivalent fractions & decimals (tenths).
	Equivalent fractions & decimals (hundredths).
	Equivalent fractions & decimals.
	Thousandths as decimals.
	Thousandths on a place value chart.
	Order & compare decimals (where the no. has the same no. of decimal places).
	Order & compare any decimals up to 3 decimal places.
	Round decimals to the nearest whole number.
	Round to one decimal place.
	Understand percentages.
	Understand & convert percentages as fractions.
	Understand & convert percentages as decimals.
	Equivalent fractions, decimals & percentages.
Perimeter & Area	Perimeter of rectangles.
	Perimeter of rectilinear shapes.

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	Perimeter of polygons.
	Area of rectangles.
	Area of compound shapes.
	Estimate area.
Statistics	Draw line graphs.
	Read & interpret line graphs.
	Read & interpret tables.
	Read & interpret two-way tables.
	Read & interpret timetables.
Shape	Understand and use degrees.
	Classify angles.
	Estimate angles.
	Measure angles up to 180 degrees.
	Draw lines and angles accurately.
	Calculate angles around a point.
	Calculate angles on a straight line.
	Lengths and angles in shapes.
	Regular and irregular polygons.
	3-D shapes.
Position & Direction	Read and plot coordinates.
	Problem solving with coordinates.
	Translation.
	Translation with coordinates.
	Lines of symmetry.
	Reflection in horizontal and vertical lines.
Decimals	Use known number facts to add decimals within 1.
	Complements to 1.
	Add and subtract decimals across 1.
	Add decimals with the same number of decimal places.
	Subtract decimals with the same number of decimal places.
	Add decimals with different numbers of decimal places.
	Subtract decimals with different numbers of decimal places.
	Know efficient strategies for adding and subtracting decimals.
	Understand and solve decimal sequences.
	Multiply by 10, 100 & 1000.
	Divide by 10, 100 & 1000.
	Multiply and divide decimals- identify missing values.
Negative Numbers	Understand negative numbers.



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	Count through zeros in 1s.
	Count through zero in multiples.
	Compare and order negative numbers.
	Find the difference with negative numbers.
Converting Measures	Kilograms and Kilometres.
	Millimetres and millilitres.
	Convert units of length.
	Convert between metric and imperial units.
	Convert units of time.
	Calculate with timetables.
Volume	Cubic centimetres.
	Compare volume.
	Estimate volume.
	Estimate capacity.