

Target 6			E	D	S
P. V.	1	Round any whole number to a required degree of accuracy.			
	2	Use negative numbers in context, and calculate intervals across zero.			
	3	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.			
	4	Solve number and practical problems that involve all of the above.			
Add, Sub, Mult, Div	1	x and / numbers up to 4 digits by a 2-digit whole number using the formal written methods (long multiplication)			
	2	/ numbers up to 4 digits by a 2 digit whole number using formal written methods of long division, (Short division) and interpret remainders as whole numbers, fractions or rounding, as appropriate to task.			
	3	Solve addition and subtraction, multiplication and division multi-step problems in contexts, deciding which operations and methods to use and why.			
	4	Use estimation to check answers to calculations and determine, in the context of the problem, an appropriate degree of accuracy.			
	5	Perform mental calculations, including with mixed operations and large numbers.			
	6	Identify common factors, common multiples and prime numbers.			
	7	Use their knowledge of the order of operations to carry out calculations using the 4 operations.			
	8	Solve problems involving +, -, X and /			
Fractions	1	Use written division methods in cases where the answer has up to two decimal places.			
	2	Solve problems which require answer to be rounded to specified degree of accuracy.			
	3	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.			
	4	Compare and order fractions including fractions greater than 1.			
	5	Multiply simple pairs of proper fractions, writing the answer in its simplest form. (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$).			
	6	Use common factors to simplify fractions; use common multiples to express fractions in the same denominator and compare and order fractions including fractions > 1			
	7	Divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$).			
	8	Associate fractions with division and calculate fraction equivalents. (0.375 is the same as $\frac{3}{8}$)			
	9	Identify the value of each digit to three decimal places			
	10	Multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places.			
	11	Multiply one-digit numbers with up to two decimal places by whole numbers.			
R & P	1	Solve problems involving the calculation of fractions, decimals and percentages (e.g. of measures) such as 15% of 360 and the use of percentages for comparison.			
	2	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.			
	3	Solve problems involving the relative sizes of 2 quantities where missing values can be found using integer X and / facts.			
	4	Solve problems involving similar shapes where the scale factor is known or can be found.			
Algebra	1	Use simple formulae expressed in words and substitute values into a simple formula to solve problems.			
	2	Generate and describe linear number sequences.			
	3	Express missing number problems algebraically.			
	4	Find pairs of numbers that satisfy number sentences involving two unknowns.			
	5	Enumerate all possibilities of combinations of two variables.			
Measure	1	Use, read, write & convert between standard units of measure, converting length, mass, volume & time from smaller to larger units, and vice versa, using decimal notation to up to 3 dec places.			
	2	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.			
	3	Convert between miles and km.			
	4	Recognise that shapes with the same areas can have different perimeters and vice versa.			
	5	Recognise when it is possible to use a formulae for area and volume of shapes.			
	6	Calculate the area of parallelograms and triangles.			
	7	Calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm ³) and cubic metres (m ³), and extending to other units.			
Geometry	1	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.			
	2	Draw 2-D shapes using given dimensions and angles.			
	3	Recognise, describe and build simple 3-D shapes, including making nets.			
	4	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.			
	5	Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.			
P & D	1	Draw and translate simple shapes on the coordinate plane, and reflect them in the axes			
	2	Describe positions on the full coordinate grid (all four quadrants).			
Stats	1	Interpret and construct pie charts and line graphs and use these to solve problems.			
	2	Calculate and interpret the mean as an average.			

