



# Year 6 – I Can Objectives Tick Sheet

	I can...	✓	Date
Number and Place Value	Read, write, order and compare numbers up to 10,000,000		
	Round any whole number to a required degree of accuracy		
	Perform mental calculations, including with mixed operations and large numbers		
	Use negative numbers in context and calculate across zero		
	Solve problems that involve all of the above		
+ – x ÷	Multiply and divide numbers up to 4-digits by a 2-digit whole number up to 20 using the efficient written method and interpret remainders (when dividing) as whole number remainders, fractions or by rounding, as appropriate for the context		
	Solve multi-step problems involving the 4 operations and use estimations to check answers to calculations		
	Use my knowledge of the order of operations to carry out calculations involving the 4 operations		
	Perform mental calculations, including mixed operations and large numbers		
Fractions, Decimals and %	Add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions		
	Multiply simple pairs of proper fractions writing the answer in its simplest form (eg $1/4 \times 1/2$ )		
	Divide proper fractions by whole numbers (eg $1/3 \div 2 = 1/6$ )		
	Multiply 1-digit numbers with up to 2 decimal places by whole numbers		
	Use written division methods in cases where the answer has up to 2 decimal places		
	Solve problems which require answers to be rounded to specified degrees of accuracy		
	Compare, order and simplify fractions		
	Recall and use equivalences between fractions, decimals and percentages		
Ratio and Proportion	Solve problems involving the relative sizes of 2 quantities		
	Solve problems involving unequal sharing and grouping eg $3/5$ of the class are boys etc		

	I can...	✓	Date
Algebra	Solve problems involving similar shapes where the scale factor is known or can be found		
	Solve simple ratio and proportion problems		
	Solve problems involving the calculation of percentages		
	Use simple formulae		
	Generate and describe linear number sequences		
Measurement	Express missing number problems algebraically		
	Find pairs of numbers that satisfy an equation with two unknowns		
	Enumerate all possibilities of combinations of two variables		
	Recognise that shapes with the same areas can have different perimeters and vice versa		
	Calculate the area of parallelograms and triangles and be able to use the correct formulae		
Shape	Calculate the volume of cubes and cuboids using centimetre cubed and cubic metres and extending to other units, such as mm cubed and km cubed		
	Solve problems involving calculation and conversion of units		
	Use, read, write and convert between standard units		
	Classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons		
	Find unknown angles where they meet at a point and are on a straight line and are vertically opposite		
Data	Draw 2D shapes using given dimensions and angles		
	Recognise, describe and build simple 3D shapes, including making nets		
	Illustrate and name parts of a circle and know that the diameter is twice the radius		
	Describe positions on the full coordinate grid (all four quadrants)		
	Draw and translate simple shapes on the co-ordinate plane, reflect them in the axes and rotate around a point		
	Interpret and construct pie charts and use these to solve problems using my knowledge of angles, fractions and percentages		
	Calculate and interpret the mean as an average		