

St Thomas Aquinas Catholic Multi-Academy Trust
Year 6 Maths Statements

Strand	Target		
Number	Reads, writes, orders & compares numbers up to 10 000 000 & determines the value of each digit		
	Uses negative numbers in context, and calculate intervals across zero		
Calculations	Multiplies multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication		
	Divides numbers up to 4 digits by a two-digit whole number using the formal written method of long or short division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context		
	Performs mental calculations, including with mixed operations and large numbers		
	Uses their knowledge of the order of operations to carry out calculations		
	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		
Fractions	Uses common factors to simplify fractions; uses common multiples to express fractions in the same denomination; compares and orders fractions, including fractions > 1		
	Adds and subtracts fractions with different denominators and mixed numbers, using the concept of equivalent fractions		
	Multiplies simple pairs of proper fractions, writing the answer in its simplest form		
	Divides proper fractions by whole numbers		
	Associates a fraction with division & calculates decimal equivalents for a simple fraction		
	Identifies the value of each digit in numbers given to three decimal places and multiplies and divides numbers by 10, 100 and 1000 giving answers up to three decimal places		
	Multiplies one-digit numbers with up to two decimal places by whole numbers		
	Uses written division methods in cases where the answer has up to two decimal places		
	Recalls and uses equivalences between simple fractions, decimals and percentages		
Measures	Solves problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate		
	Uses, reads, writes and converts between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places		
	Recognises when it is possible to use formulae for area and volume of shapes and calculates the area of parallelograms and triangles		
	Compares and classifies geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons		
	Illustrates and names parts of circles, including radius, diameter and circumference and knows that the diameter is twice the radius		
	Recognises angles where they meet at a point, are on a straight line, or are vertically opposite, and finds missing angles		
Geo-metry	Able to describe positions on the full coordinate grid (all 4 quadrants), draw and translate simple shapes on the coordinate plane, and reflect them in the axes		
Statistics	Interprets and constructs pie charts and line graphs and uses these to solve problems		
	Calculates and interprets the mean as an average		
Ratio & proportion	Solves problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts		
	Solves problems involving the calculation of percentages and the use of percentages for comparison		
	Solves problems involving unequal sharing & grouping using fractions & multiples		
Algebra	Uses simple formulae		
	Generates linear number sequences & expresses missing number problems algebraically		

