## St Mary's RC Primary School Fraction Written Methods Calculation Policy



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Multiplication and Division					
				Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.	Multiply simple pairs of proper fractions, writing the answer in its simplest form
				Diagram [Pictorial] (Cuisenaire rods for Concrete in the same way): This is $\frac{2}{3}$ . Use this to calculate $\frac{2}{3} \times 5 = \frac{10}{3} = 3\frac{1}{3}$ .	Example: $\frac{5}{4} \times \frac{3}{2} = \frac{15}{8} = \frac{7}{8}$ Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$ ]
				Abstract calculation:	Example:
				$\frac{5}{8} \times 4 = -$ Children to understand that every	$\frac{1}{2} \div 2 = -$
				whole number has a denominator of 1. $\frac{5}{8} \times \frac{4}{1} = \frac{20}{8} = 2\frac{4}{8} = 2\frac{1}{2}$	$\frac{1}{2} \div \frac{2}{1} =$
					$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$