

**Strand – Ratio and proportion**

**Rationale**

Ratio and proportion is used throughout school in areas of math such as when using fractions or multiplication and division facts. In Year 6, the statements appear as children must be able to apply these skills to specific problems. Ratios occur frequently in daily life and help to simplify many of our interactions by putting numbers into perspective. Ratios allow us to measure and express quantities by making them easier to understand.

**Learning**

**Statements only appear in Year 6 but should be connected to previous learning, particularly fractions and multiplication and division**

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
					solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
					solve problems involving similar shapes where the scale factor is known or can be found

					solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.
<b>Key Vocabulary</b>					
proportion, ratio in every, for every to every, as many as decimal, decimal fraction decimal point, decimal place percentage, per cent, %					