Class 7 (Y6)   Fractions

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
Comparing and Ordering fractions	Use common factors to simplify fractions: use common multiples to express fractions in the same denomination Compare and order fractions, including fractions >1	**factors** **multiple** **compare** **order**			
Decimal fractions	Associate a fraction with division to calculate decimal fraction equivalents (e.g. 3 ÷ 8 = 0.375 = ⅜) for a simple fraction	**decimal fraction** **Rounding** **three decimal places**	Rounding to 3 decimal places Use of calculator Understanding recurring decimals Make conjecture about converting simple fraction to decimal fraction (e.g. 3 ÷ 8 will be less than 0.5, because 4 ÷ 8 = 0.5)		
Adding & Subtracting fractions	Add or subtract fractions with different denominators(denominators should not exceed 12, except for 100 and 1000) and mixed numbers, using the concept of equivalent fractions	**denominator** **numerator** **improper fraction** **mixed number**			

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Multiplying fractions	Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. ¼ x ½ + ⅛)	**proper fractions**			
Dividing fractions	Divide proper fractions by whole numbers (e.g. ⅓ ÷ 2 = ⅙)				
Problems	Increasingly complex problems, adding and subtracting fractions and using relationship between unit fractions and division to work backwards (e.g. if ¼ of a length is 36cm, then the whole length is 36 x 4 = 144cm)				