Class 6 (Y5)   Measure

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
Length (including perimeter & area)	Conversion of units - km to m, m to cm, cm to mm Understand and use basic equivalencies between metric and common imperial units and express them in approximate terms: • A mile is a bit more than 1.5Km (about 1600m) • 8Km is approximately 5 miles Measure and calculate the perimeter of composite rectilinear shapes (straight lines) in centimetres and metres Calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes Calculate the area of scale drawings using given measurements	**millimetre (mm)** **centimetre (cm)** **metre (m)** **Kilometre (Km)** **mile** **perimeter** **area** **not to scale**	Use knowledge of place value and multiplication and division to convert units relate area to arrays and multiplication	30cm rulers tape measures metre stick trundle wheel cm² paper	
Weight (Mass)	Conversion of units – Kg to g Understand and use basic equivalencies between metric and common imperial units and express them in approximate terms: • 1 kilogram is approximately 2lb (more accurately 2.2lb) • 30g is approximately 1oz	**kilogram Kg** **gram g** **pounds lb** **ounce oz**	Use knowledge of place value and multiplication and division to convert units	balances selection of weights (including imperial) weighing scales	

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Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
Capacity & Volume	Conversion of units - litres to ml Understand and use basic equivalencies between metric and common imperial units and express them in approximate terms: • 1 pint is slightly more than half a litre • 1 litre is approximately 1 ¾ pints • 1 gallon is a bit less than 5 litres • 4.5 litres is approximately 1 gallon or 8 pints Recognise and estimate volume (e.g. using 1cm³ blocks to build cubes and cuboids) and capacity (e.g. using water)	**litre** **millilitres ml** **pint** **gallon** **cm³** **volume** **capacity** *Terms volume & capacity are now used separately	Use knowledge of place value and multiplication and division to convert units	standard measuring containers centicube volume cube container	variety of containers
Problems	Use all four operations in problems involving time and money, including conversions (e.g. days to weeks, leaving the answer as weeks and days) Solve problems involving converting between units of time Solve problems involving addition and subtraction of units of measure (e.g. length, mass, volume, money) using decimal notation	**12-hour clock** **24-hour clock**		class calendar class clock with Roman numerals digital clock teacher clock clocks clock faces clock stamps stop watch	

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