Converting Measures: Maths : Year 5 : Spring Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to use all four operations to solve problems involving measure.	Children will recap the units of measurement your class are already familiar with and reiterate how to convert between different units of measure. They will then be challenged to solve a variety of word problems relating to length, weight and capacity using all four operations, converting answers to a more appropriate unit of measurement if applicable.	• Do children understand the relationship between various units of measurement? • Can children use all four operations to solve problems relating to measure? • Can children convert units of measure?	• Slides • Worksheet 1A/1B/1C • Question Cards 1A/1B (FSD? activity only) • Answer Cards 1A/1B (FSD? activity only)
Lesson 2	To be able to solve problems involving scaling.	Children will solve scaling problems involving measures by converting quantities needed in recipes when the number of people a recipe feeds is adjusted. Children will tackle simple doubling and halving problems as well as more challenging scaling calculations.	• Do children understand what scaling is? • Can children solve problems involving scaling? • Can children convert units of measure?	• Slides • Recipe Cards 2A/2B/2C • Blank Recipe Cards • Tape measures, metre sticks, rulers, trundle wheels, etc. (FSD? activity only)
Lesson 3	To identify and understand imperial units of measure.	Children will identify some common imperial measures for length, weight and capacity, and how they are related to one another (for example, that there are twelve inches in a foot). They then use this information to solve problems involving converting between units of measure.	• Can children identify common imperial measures relating to length, weight and capacity? • Do children understand how various imperial measures are related to each other? • Can children convert from one imperial measure to another, such as from feet to inches?	• Slides • Worksheet 3A/3B/3C • Information Card • Fact Cards (FSD? activity only) • Challenge Card (FSD? activity only)
Lesson 4	To understand and use equivalences between metric and imperial units of measure.	Children are challenged to use conversions between metric and imperial measures relating to length. Using approximate conversions between inches and centimetres, and miles and kilometres, your class will solve a variety of problems.	• Do children understand the difference between imperial and metric measurements? • Can children identify a variety of imperial measurements and relate these to similar metric measurements? • Can children find approximate equivalences between imperial and metric measurements?	• Slides • Worksheet 4A/4B/4C • Access to online maps • Challenge Card (FSD? activity only)
Lesson 5	To understand and use equivalences between metric and imperial units of measure.	Children will use approximate conversions to convert between metric and imperial units of measure for weight and capacity. They will convert recipes with mixed measures into either metric or imperial using approximate equivalences. They can also test approximate equivalences of capacity for themselves as they measure out different amounts of water in both imperial and metric measures.	• Do children understand the difference between imperial and metric measurements? • Can children identify a variety of imperial measurements and relate these to similar metric measurements? • Can children find approximate equivalences between imperial and metric measurements?	• Slides • Worksheet 5A/5B/5C • Information Card • Capacity Cards (FSD? activity only) • Water and measuring jugs (FSD? activity only)

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan