

# Length, Weight and Capacity: Maths : Year 5 : Autumn Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To be able to convert between different units of metric measure.	Children will identify a variety of units of measurement that can be used to measure length, weight and capacity, and identify which of these units would be best for measuring a variety of objects. They will explore the relationship between various units of measurements and be able to convert from one to another, using decimals where necessary.	<ul style="list-style-type: none"> <li>• Can children identify metric measures and use them in the correct contexts?</li> <li>• Can children convert metric measurements from e.g. metres to centimetres and vice versa?</li> <li>• Can children order measurements?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Domino Cards</li> <li>• Worksheet 1A/1B/1C</li> <li>• Measurement Cards 1A/1B (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To be able to order and compare measurements with up to two decimal places.	Children will identify the value of each digit in measurements with up to two places in order to order and compare measurements with up to two decimal places. Children will reinforce their understanding of which different units of measurement are used to express length, weight and capacity. They will also learn how to order and compare measures that are expressed in different units of measurement, such as centimetres and metres.	<ul style="list-style-type: none"> <li>• Can children identify the value of each digit in measurements with up to two decimal places?</li> <li>• Can children order and compare measurements with one decimal place?</li> <li>• Can children order and compare measurements with two decimal places?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 2A</li> <li>• Measurement Cards 2A/2B/2C</li> <li>• Length Cards 2A/2B (FSD? activity only)</li> <li>• Weight Cards 2A (FSD? activity only)</li> <li>• Capacity Cards 2A (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To be able to use solve problems involving length and weight.	Children will solve a variety of word problems relating to the length and weight of wild animals. They will start to estimate lengths and weights, using given facts to help them. They will use all four operations to compare and calculate the length and weight of a variety of animals.	<ul style="list-style-type: none"> <li>• Can children use appropriate units of measure when working with length and weight?</li> <li>• Can children solve problems relating to length and weight?</li> <li>• Can children make sensible estimates relating to length and weight?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 3A/3B/3C</li> <li>• Animal Fact Cards</li> <li>• Challenge Sheet (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To be able to estimate capacity and measure accurately to check estimates.	Children will estimate the capacity of a variety of containers, using prior understanding to inform their choices. They will then measure capacity accurately to check their estimates.	<ul style="list-style-type: none"> <li>• Can the children estimate capacity accurately?</li> <li>• Can they measure accurately in litres?</li> <li>• Can they measure accurately in millilitres?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Worksheet 4A/4B/4C</li> <li>• Range of measuring jugs</li> <li>• Range of containers to measure</li> <li>• Water</li> <li>• Digital cameras (FSD? activity only)</li> <li>• Question Cards (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To be able to solve problems involving money and measures.	Children will use their understanding of money and capacity to solve a variety of problems in the context of magic potions. Children will use all four operations to compare measurements and calculate the costs of different amounts of potions, as well as solving scaling problems.	<ul style="list-style-type: none"> <li>• Can children solve problems involving measurements using all four operations?</li> <li>• Can children convert pounds to pence and vice versa?</li> <li>• Can children solve scaling problems?</li> </ul>	<ul style="list-style-type: none"> <li>• Slides</li> <li>• Challenge Cards 5A/5B/5C</li> <li>• Worksheet 5A/5B (FSD? activity only)</li> <li>• Magic Potions Price List (FSD? activity only)</li> </ul>