## Data Handling : Mathematics : Year 4



	-			
	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to answer a question by identifying what data to collect.	Children will consider the need to provide a set of answers when collecting data to be presented using graphs and charts. They will then either plan for collecting data using tallies or collect and present data using a tally.	<ul> <li>Can the children pose simple questions about data collection?</li> <li>Can they suggest ways of collecting data?</li> <li>Can they interpret the data they collect?</li> </ul>	<ul> <li>Slides</li> <li>Worksheet 1A/1B/1C/1D</li> <li>Dice (FSD? activity only)</li> </ul>
Lesson 2	To be able to use data to create a bar graph and interpret the information.	Children will interpret data presented in tables and in bar charts, then either ask and answer questions about data in bar charts, or conduct a traffic survey.	<ul> <li>Can the children interpret a bar graph?</li> <li>Can they present a bar graph?</li> <li>Can they construct a bar graph?</li> </ul>	<ul> <li>Slides</li> <li>Worksheet 2A/2B/2C/2D/2E</li> <li>Graph paper</li> </ul>
Lesson 3	To be able to choose the correct scale for the vertical axis in a bar graph.	Children will learn how to choose an appropriate scale for a bar chart, then draw bar charts with an appropriate scale on which to plot sets of data.	<ul> <li>Can the children interpret a bar graph?</li> <li>Can they present a bar graph?</li> <li>Can they construct a bar graph?</li> </ul>	<ul> <li>Slides</li> <li>Worksheet 3A/3B/3C</li> <li>Graph paper</li> <li>Challenge Cards (FSD? activity only)</li> </ul>
Lesson 4	To be able to use Venn diagrams to sort data and objects.	Children will learn how to use and read Venn diagrams with one intersection, then sort numbers or shapes according to two criteria using Venn diagrams.	<ul> <li>Do children understand what Venn diagrams are and how they are used?</li> <li>Can they sort by two criteria?</li> <li>Can they sort by three criteria?</li> </ul>	<ul> <li>Slides</li> <li>Mini whiteboards</li> <li>Worksheet 4A/4B/4C</li> <li>Skipping ropes or similar (FSD? activity only)</li> <li>Criteria Cards (FSD? activity only)</li> </ul>
Lesson 5	To be able to use Carroll diagrams to sort data and objects.	Children will learn how to interpret, and plot data using Carroll diagrams, then sort data either by using given criteria, or by choosing appropriate criteria.	<ul> <li>Do children understand what Carroll diagrams are and how they are used?</li> <li>Can they sort by two criteria?</li> <li>Can they sort by three criteria?</li> </ul>	<ul> <li>Slides</li> <li>Mini whiteboards</li> <li>Worksheet 5A/5B/5C</li> <li>Challenge Cards (FSD? activity only)</li> <li>Blank Carroll Diagram sheet (FSD? activity ideas)</li> </ul>

Copyright @ PlanBee Resources Ltd 2016 NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan www.planbee.com