

# Let's Make Charts: Maths : Year 2 : Summer Term

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To investigate and draw pictograms with many-to-one symbols.	Children will be introduced to pictograms which have symbols representing multiple pieces of data. They will be challenged to interpret and draw their own pictograms using keys to guide how much their symbols are worth.	<ul style="list-style-type: none"> <li>Can children interpret a many-to-one pictogram?</li> <li>Can children use tallied data to complete a pictogram?</li> <li>Can children use data displayed in a pictogram to complete a tally chart?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 1A/1B</li> <li>Picture Cards 1A</li> <li>Photo Sheet 1A</li> <li>Tally Chart Cards 1A (FSD? activity only)</li> <li>Pictogram Cards 1A (FSD? activity only)</li> </ul>
<b>Lesson 2</b>	To investigate and draw pictograms with many-to-one symbols.	Children will investigate many-to-one pictograms further by interpreting and drawing charts where half symbols are needed to show the data correctly. They have the opportunity to collect their own data and present it in a 2:1 pictogram.	<ul style="list-style-type: none"> <li>Can children read and interpret pictograms with half symbols?</li> <li>Can children complete pictograms with half symbols?</li> <li>Are children able to choose an appropriate many-to-one scale for a set of data?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Counters (optional)</li> <li>Worksheet 2A/2B</li> <li>Picture Cards 2A</li> <li>Photo Sheet 2A</li> <li>Picture books (FSD? activity only)</li> <li>Worksheet 2C (FSD? activity only)</li> <li>Chart Sheet 2A (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To use reasoning to prove our answers.	Children are challenged to use their learning about many-to-one pictograms to spot mistakes and answer questions about various pictograms. They must decide who they agree with when characters make statements about a chart and provide explanations for their answers.	<ul style="list-style-type: none"> <li>Can children spot mistakes made in a pictogram or table?</li> <li>Are children able to decide if a statement is correct or not?</li> <li>Can children use effective reasoning to prove if an answer is correct or not?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Challenge Cards 3A/3B/3C</li> <li>Pictogram Card 3A</li> <li>Photo Sheet 3A</li> <li>Worksheet 3A (FSD? activity only)</li> <li>Special marking pens (optional) (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To interpret and draw block diagrams with ratios of one, two, five and ten.	Children are re-introduced to block diagrams and are challenged to interpret them when the blocks represent multiple pieces of data. They have the opportunity to compare them to pictograms and think about the use of half squares in order to show data accurately. Children will tackle challenging interpretation questions where they must take note of the keys for each diagram.	<ul style="list-style-type: none"> <li>Can children interpret a block diagram where the blocks represent two, five or ten?</li> <li>Can children draw a block diagram where the blocks represent two, five or ten?</li> <li>Are children able to read data from a block diagram to input into a simple table?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 4A/4B/4C</li> <li>Photo Sheet 4A</li> <li>Block Diagram Sheet 4A (FSD? activity only)</li> <li>Statement Cards 4A (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To collect and present data.	Children are challenged to collect their own data using a tally chart after discussing the most effective way to lay out their categories in a tally chart to make it clear and easy to read. They will collect their data and then use this to draw a pictogram and a block diagram from the data.	<ul style="list-style-type: none"> <li>Can children use tallies to effectively collect their data?</li> <li>Are children able to use data to produce a clear pictogram or block diagram?</li> <li>Can children present what they have found through their survey and investigation?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 5A/5B/5C</li> <li>Photo Sheet 5A</li> <li>Tally Chart 5A (FSD? activity only)</li> <li>Chart Sheet 5A (FSD? activity only)</li> <li>PE equipment (FSD? activity only)</li> </ul>