

Can I explain what information a graph or chart is showing?

Teaching guidance

Key vocabulary

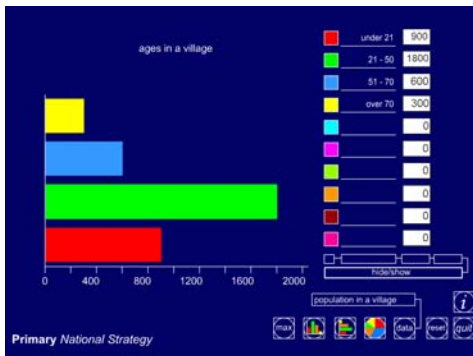
graph, chart, table, axis, axes, labels, data, information, scale, describe, explain, categories

Models and images

Introduce children to a wide and rich variety of tables, charts and graphs.



Number of matches in a box						
48	49	50	51	52	53	54
	✓	✓	✓	✓		✓
	✓	✓				✓
	✓					



	200m race	800m race
Liz	31.9 seconds	3 minutes 4 seconds
Ahmed	35.7 seconds	2 minutes 58 seconds
Rosa	32.8 seconds	2 minutes 59 seconds
Neil	33.1 seconds	3 minutes 2 seconds
Zapran	29.8 seconds	2 minutes 57 seconds

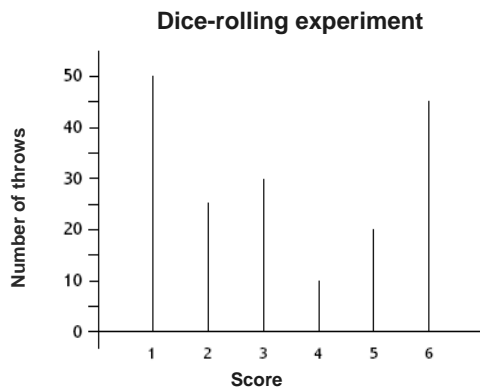


Teaching tips

- Introduce children to a wide and rich variety of tables, charts and graphs within all curricular areas. Use these opportunities to ask questions about the way information is organised and what the different presentations show.
- Discuss the type of graph or chart that has been selected to represent the data, its suitability and whether an appropriate scale has been chosen.
- The interpretation of information presented in charts or tables should be a regular focus, both in the oral and mental starter and the plenary, as well as in the main part of the lesson.
- Provide children with different charts and graphs without titles, labels on the axes, or units, and ask them to 'tell the story of the graph'. Explore different possible stories for the same graph.



- Expect children to summarise what any graph or chart shows before answering questions about detail.
- Give children opportunities to take information presented in one format and re-present it in another format, for example, deconstructing the bar-line chart below to create the frequency table.



Score	1	2	3	4	5	6
Frequency						