Statistics

Knowledge Organiser

Key Vocabulary	Interpreting Data	Pie Charts
bar chart	Information can be show in tables, charts or graphs.	Pie charts represent discrete data.
pictogram	Interpreting data simply means understanding or	A circle is divided into segments, where each
frequency table	working out what is being shown by a table, graph or chart and being able to answer questions about	segment represents a data category. The size of each segment matches its proportion of the total
tally chart	that information.	amount.
pie chart	Line Graph	A pie chart to show children's favourite sports
discrete data	Line graphs are used to show changes to a	
continuous data	measurement over time. Data shown in a line graph is continuous.	Key swimming
line graph	Sets of points are joined together to make the line.	netball
sum		football
difference	A line graph to show the length of shadows over time	gymnastics
comparison		
interpret	50	
mean average	(m) 40 40 April 40 May	24 children were asked in total.
	4 30 May	Swimming = $\frac{1}{2}$ so $\frac{1}{2}$ of 24 = 12 children
		Netball = $\frac{1}{4}$ so $\frac{1}{4}$ of 24 = 6 children
		Football = $\frac{1}{8}$ so $\frac{1}{8}$ of 24 = 3 children
twinkl visit twinkl.com	09:00 10:00 11:00 12:00 13:00 14:00 15pm 16pm Time	Gymnastics = $\frac{1}{8}$ so $\frac{1}{8}$ of 24 = 3 children

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