Maths - Year 5

Measurement 2: Interpreting charts and graphs

	Key Vocabulary			
Pie chart	A way of presenting data as a 'whole' using fractions of a circle.	- Understand that o different ways . - Read, interpret a		
Bar chart	A way of representing data using bars.	charts, timetables, - Select a method o		
Line graph	A way of presenting data of continuously chang- ing measures, e.g. temperature, water usage.	appropriate to the to be answered.		
Axis/axes	The lines that frame a coordinate grid. The x-axis is the horizontal axis and the y-axis is ver- tical.	 Read temperatur grees Celsius, incluine Explain that as te tude of negative va 		
coordinates	Pairs of numbers describing a position on a grid.	positive values incr		

Mathematical Skills nd that data can be presented in

Read, interpret and present data in tally charts, timetables, bar charts and pie charts.
Select a method of presenting data which is appropriate to the type of data and the question to be answered.
Read temperature for a thermometer, in degrees Celsius, including negative values.
Explain that as temperature rises the magnitude of negative values decreases and that of

ositive values increases and vice versa.

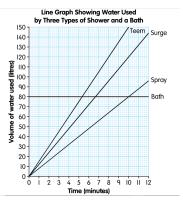
Mathematical Methods

- Analysing data presented in different ways.

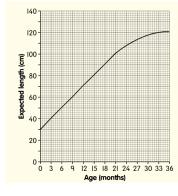
Zone	Hits	Score		
score	Tally	Number	Score	
1		4	4	
3	11	2	6	
5	HH HH	10	50	
7	HH HH	10	70	
٩	1111 IIII	٩	81	
		Total score	211	
	score I 3 5 7	score Tally I IIII 3 II 5 Iff Iff 7 Iff Iff	Tally Number 1 IIII 4 3 II 2 5 I/I I/II 10 7 I/I I/II 10 9 I/I I/II 9 Total	

	Round	Arrow scores						Round score	Total score
	1	۹	٩	7	3	1	1	30	30
	2	7	7	5	5	5	3	32	62
_	3	٩	7	7	5	5	0	33	95
-	4	۹	7	7	5	5	1	34	129
-	5	٩	٩	٩	7	5	1	40	169
	6	٩	٩	7	7	5	5	42	211

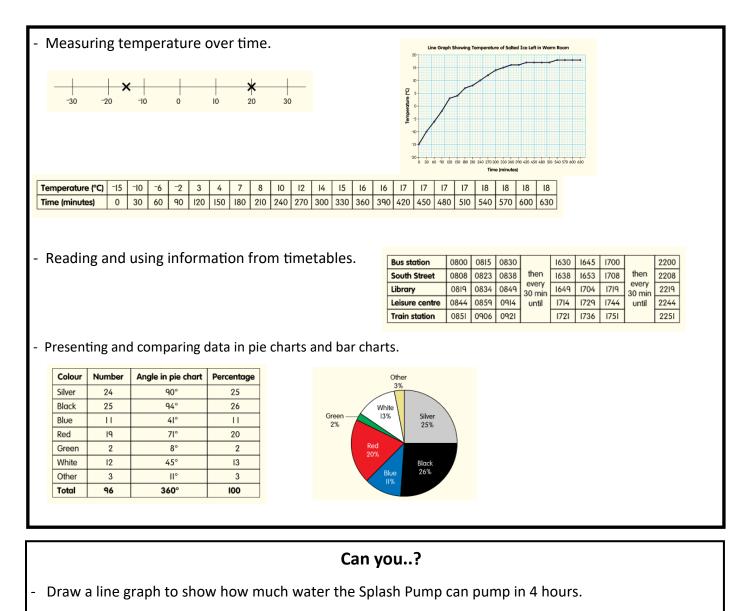
- Using a line graph to present data.

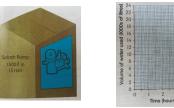


- Using a line graph to compare and predict measurements.



Age (months)	0	3	6	٩	12	15	18	21	24	27	30	33	36
Length (cm)	26	37	48	58	68	79		101	109	116	120	121	121





- Which type of graph would be most appropriate for this Sports Day data? Explain why.

	100 m	400 m	Long jump	Tennis ball throw		
Ethan	14s	68s	2m	10 m		
Mia	14·5s	67s	2 m 30 cm	10 m 40 cm		
Lizzie	15.5s	82s	2 m 40 cm	9 m 60 cm		
Ahmed	17s	80s	1 m 95 cm	12 m		