

Year 6 Block 11 Unit: Statistics

Key Vocabulary:

bar chart	mean average	pie chart	line graph	sum
difference	comparison	interpret	axis	

What will I know by the end of this unit?

Line graphs:
Line graphs are used to show changes to a measurement over time.

A line graph to show the length of shadows over time

Time	April (cm)	May (cm)
09:00	60	50
10:00	40	30
11:00	35	15
12:00	25	10
13:00	30	10
14:00	40	35
15:00	50	45
16:00	60	50

Dual bar charts:

Favourite lesson

Lesson	Number of Pupils
English	7
Maths	8
Music	3
PE	10

- How many children voted English as their favourite?
7 children
- How many more children chose PE than music?
 $10 - 3 = 7$ children
- How many children voted altogether?
 $7 + 8 + 3 + 10 = 28$ children

Read and interpret pie charts:

56 children are attending Tiny's birthday party. The children were asked what flavour crisps they wanted.

How many children wanted Salt and Vinegar or Roast Chicken flavour crisps?
Salt and Vinegar: $\frac{2}{8}$ of 56 = 14
Roast Chicken: $\frac{2}{8}$ of 56 = 14
 $14 + 14 = 28$

Pie charts with percentages:

80 children were asked to choose their favourite sport from six options.

How many children chose swimming?
20% of 80 = 16
10% of 80 = 8

The mean:

Mean = Total ÷ number of items

Find the mean of this set of numbers.

3 2 7 4

The mean of these numbers is 4

$16 \div 4 = 4$