Representing and interpreting data

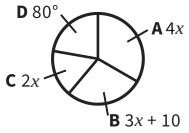
revision mat

1 Pie charts

The angles of a pie chart are given in degrees.

a) Find x.

b) 27 more people are in A than in C. How many people are there in all?

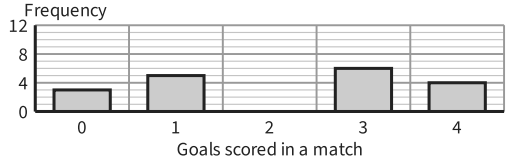


2 Bar charts

The bar for 2 goals is missing. The mean is 2.1

a) Find the height of the missing bar.

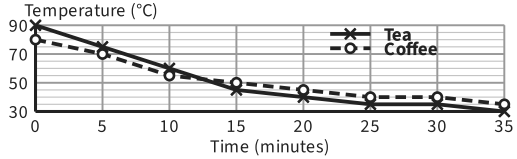
b) Find the median.



3 Line graphs

a) Estimate when the drinks were equally hot.

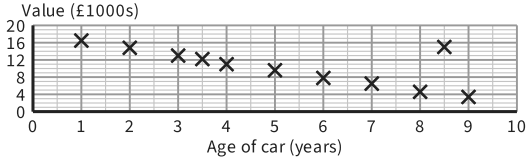
b) Which cooled faster in the first 10 minutes? By how much?



4 Scatter graphs

a) Draw a line of best fit without the outlier. Estimate the value at 6.5 years.

b) Find its gradient. What does it mean?

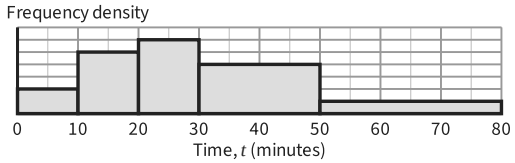


5 Histograms

No scale on the axis. 18 people took 20 to 30 minutes.

a) How many people are there altogether?

b) Estimate how many took over 40 minutes.

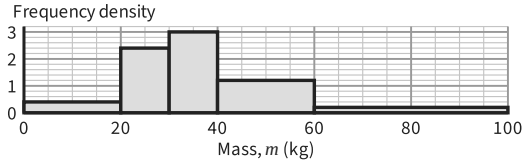


6 Histograms

The masses of some parcels.

a) Estimate the mean mass, to 1 decimal place.

b) Estimate the percentage over 45 kg, to 1 decimal place.

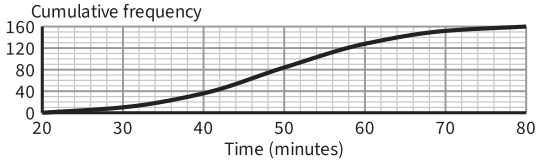


7 Cumulative frequency

160 runners. The fastest 15% get a medal.

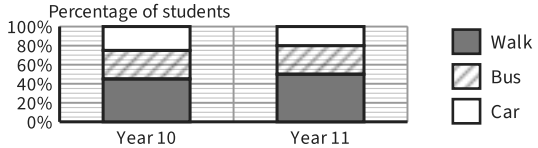
a) Estimate the interquartile range.

b) Estimate the slowest time that wins a medal.



8 Comparative and composite bar charts

Year 10 has 180 students and Year 11 has 150.

a) Which year has more students who walk? Show why.

b) How many more Year 10 than Year 11 come by car?