

Averages

Introduce

Q1 9 and 12

Q2 10

Q3a $x = 3$

Q3b 13.5 or equivalent

Q4 14

Averages with grouped data

Introduce

Q1a $150 < d \leq 200$

Q1b $50 < d \leq 100$

Q1c 103 km

Sampling

Introduce

Q1a 180

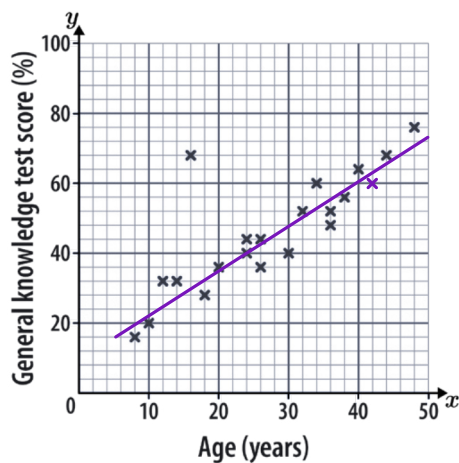
Q1b e.g. The sample is representative of the people attending the event.

Q2 711

Scatter graphs

Introduce

Q1a/b



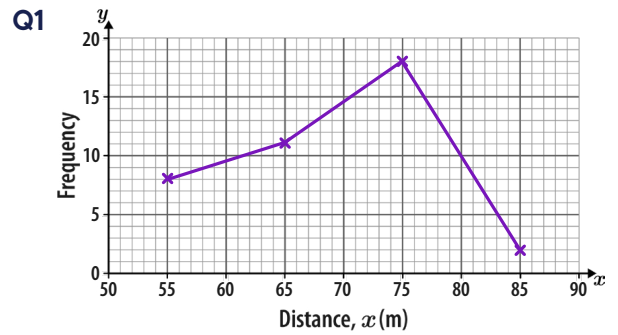
Q1c Positive

Q1d (16, 68)

Q1e Estimate in the range 32% to 44% depending on line of best fit drawn.

Frequency polygons

Introduce



- Q2
1. Points should be plotted at the mid-interval values.
 2. The polygon should not be closed.

Mixed topics

Deepen

Q1 3
Q2 11.4

Q3a 13
Q3b $70 < h \leq 80$
Q3c $\frac{11}{31}$ or equivalent

Q4a e.g. The greater the age, the greater the height.
Q4b No, it isn't likely because the point (8, 15) would be an outlier.

Q5 90
Q6 £1020

Q7a It is not sensible to extrapolate outside the given range of data.
Q7b 0.1

Q8 6

Q9 163.4 cm

Q10a

Delivery time (t minutes)	Frequency
$10 < t \leq 20$	19
$20 < t \leq 30$	20
$30 < t \leq 40$	6
$40 < t \leq 50$	3

Q10b 23.5 minutes
Q10c 19%