1 The table gives information about the length of time, in minutes, that each of 60 students took to travel to school on Monday.

midpoints:	Length of time (t minutes)	Frequency
5	$0 < t \leqslant 10$	4
15	$10 < t \leqslant 20$	10
25	$20 < t \leqslant 30$	15
35	$30 < t \leqslant 40$	25
45	$40 < t \leqslant 50$	6

Work out an estimate for the mean length of time taken by these 60 students to travel to school on Monday.

Give your answer correct to one decimal place.

sum of entries =
$$5 \times 4 + 15 \times 10 + 25 \times 15 + 35 \times 25 + 45 \times 6$$

= 1690 2

mean =
$$\frac{1690}{60}$$
 = $28.166...$ = 28.2 (1d.p)
 $\frac{1}{60}$ \frac

given in question

28 · 2 minutes

(Total for Question 1 is 4 marks)