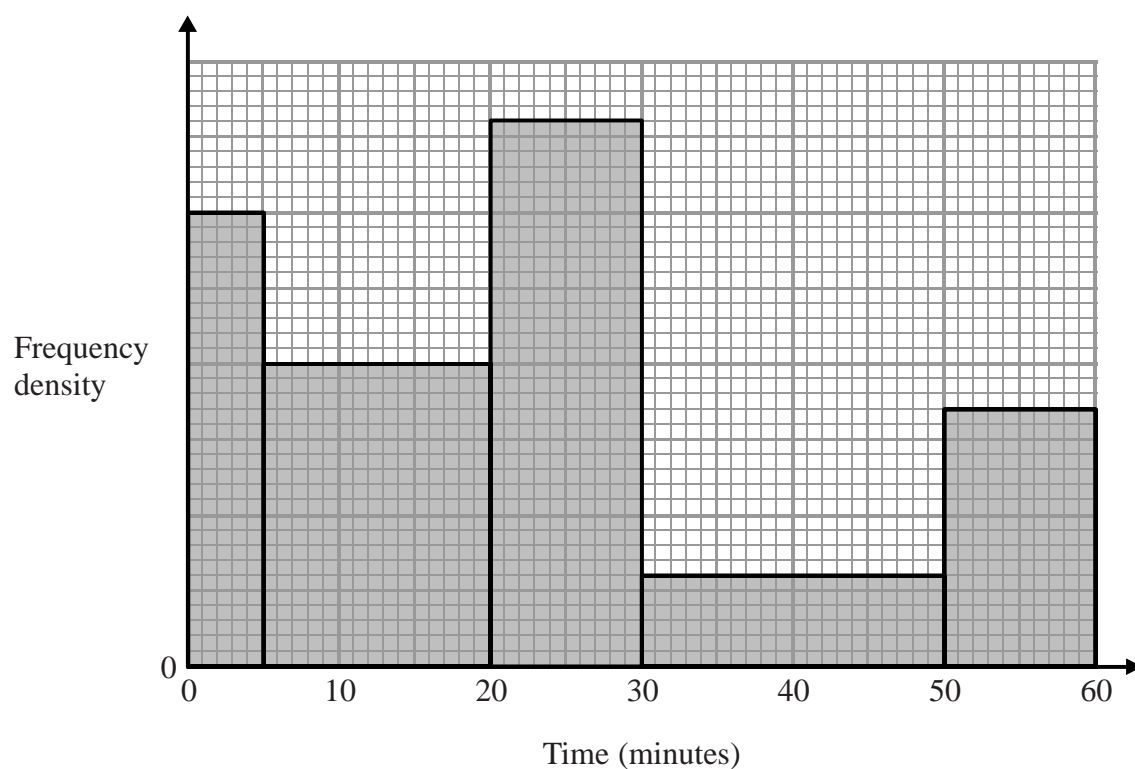**9**

Frequency density

Time (minutes)

Figure 4

Figure 4 shows a histogram that gives information about the time, in minutes, each of 440 people spent in a supermarket.

Two people are chosen at random from the 440 people.

Calculate an estimate, to 3 significant figures, for the probability that both of these people spent more than 45 minutes in the supermarket.

(5)

Question 9 continued

(Total for Question 9 is 5 marks)