27 Amrit recorded the time, in minutes, that he took to complete each of his homework tasks last term.

The table shows information about these times.

Time (t minutes)	Frequency
$15 \leqslant t < 20$	12
$20 \leqslant t < 25$	10
$25 \leqslant t < 30$	8
$30 \leqslant t < 40$	28
$40 \leqslant t < 50$	14

(a) Find the class interval that contains the median of these times.

....

(1)

(b) Calculate an estimate, to 3 significant figures, of the mean time it took Amrit to complete his homework tasks last term.

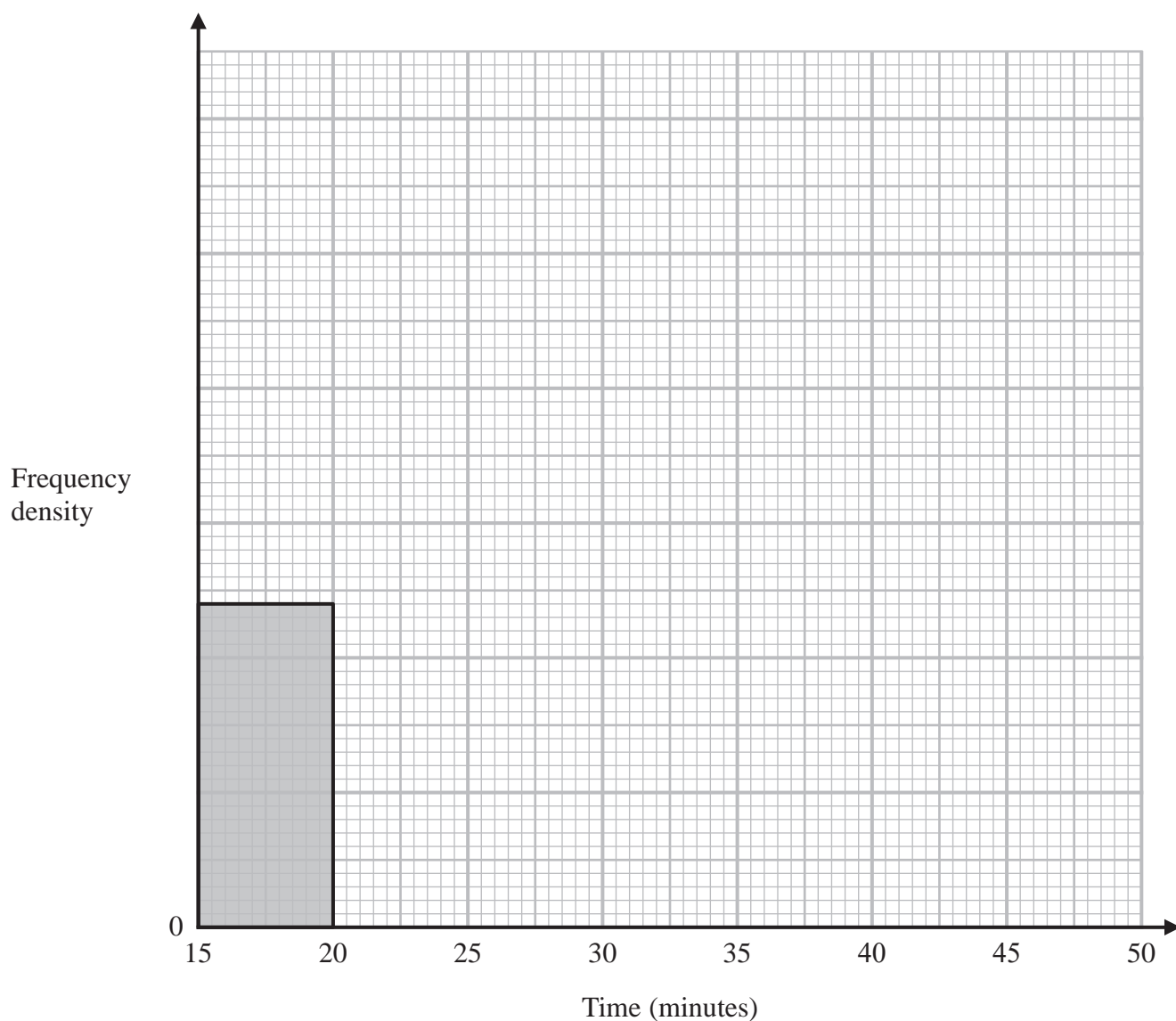...minutes

(4)

(Question 27 continued)

The diagram below is an incomplete histogram for the information in the table.

(c) Use the information in the table to complete the histogram.

(3)

(Total for Question 27 is 8 marks)