1   200 people recorded the time they spent on social media one day.

The table shows the results.

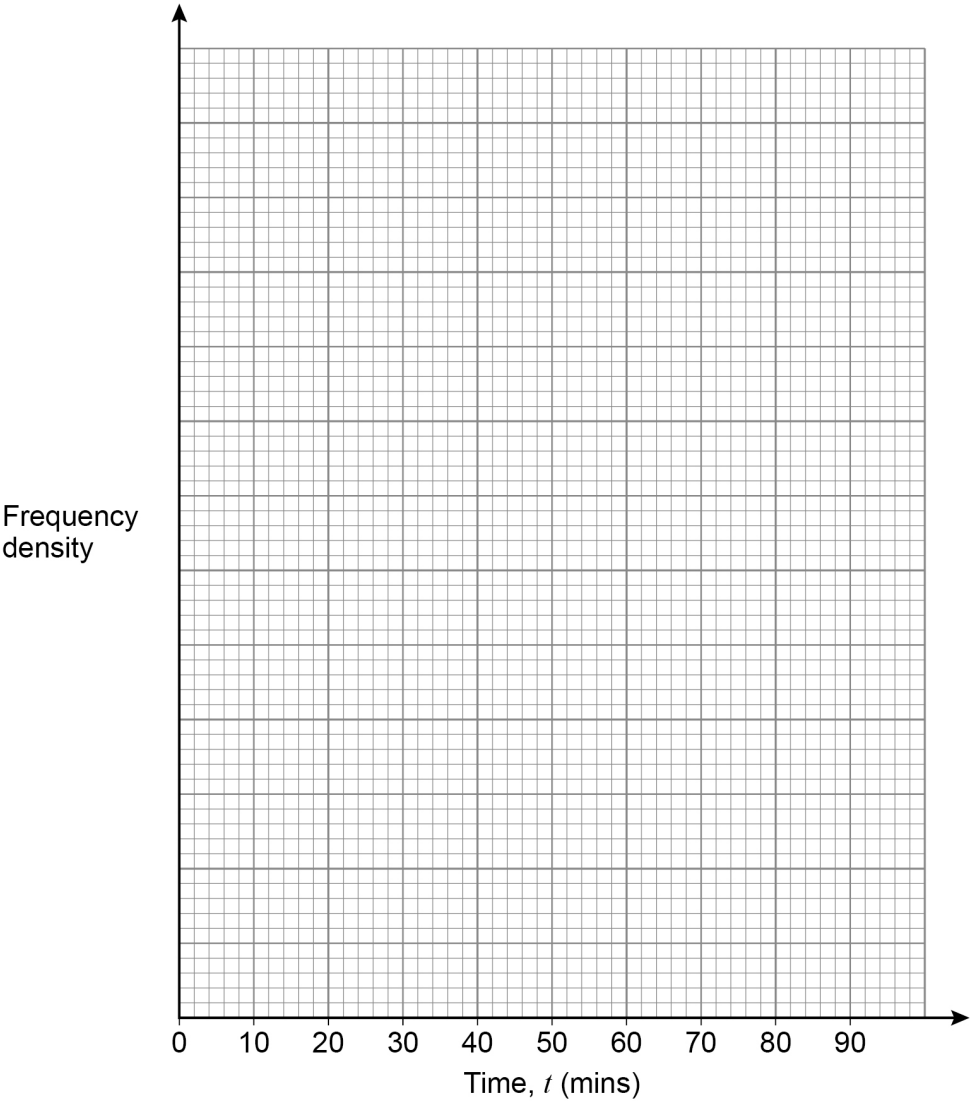| Time, t (mins)	Frequency	Midpoint	
$0 \leqslant t < 30$	24		
$30 \leqslant t < 50$	76		
$50 \leqslant t < 60$	52		
$60 \leqslant t < 90$	48		
	Total $= 200$		

1 (a)   Work out an estimate of the mean time.

[3 marks]

Answer _____ mins

1 (b)   Draw a histogram to represent the results.

[4 marks]

Time, t (mins)	Frequency	Class width	
$0 \leqslant t < 30$	24		
$30 \leqslant t < 50$	76		
$50 \leqslant t < 60$	52		
$60 \leqslant t < 90$	48		

Frequency density

Time, t (mins)

2   Here is some information about the time spent on social media by 40 women and 40 men last week.

Time spent, t (hours)	Number of women	Number of men
$2 < t \leqslant 5$	12	10
$5 < t \leqslant 8$	11	17
$8 < t \leqslant 11$	14	9
$11 < t \leqslant 14$	2	4
$14 < t \leqslant 17$	1	0

Tick **one** box for each statement.

[3 marks]

	Definitely true	Might be true	Cannot be true
Three of the **women** spent more than 11 hours on social media.	☐	☐	☐
The range for the **men** is 15 hours.	☐	☐	☐
The women have a higher median than the men.	☐	☐	☐