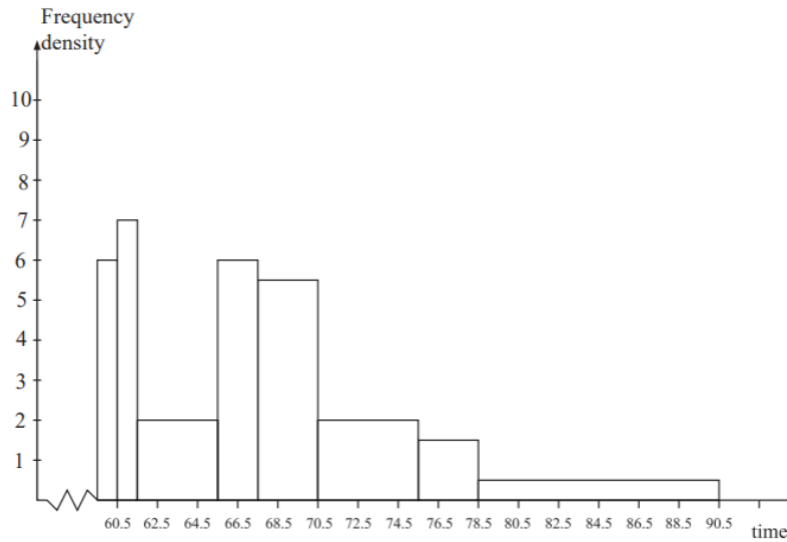


1. The histogram in the figure below shows the time taken, to the nearest minute, for 140 runners to complete a fun run.



Use the histogram to calculate the number of runners who took between 78.5 and 90.5 minutes to complete the fun run. **(5)**

[illegible]

### Solutions

Width	1	1	4	2	3	5	3	12	<b>M1</b> <b>M1</b>
F.D	6	7	2	6	5.5	2	1.5	0.5	
Total area is $(1 \times 6) + (1 \times 7) + (4 \times 2) + \dots = 70$									<b>M1</b>
$(90.5 - 78.5) \times \frac{1}{2} \times \frac{140}{70}$									<b>M1</b>
Number of runners is 12									<b>M1</b>

