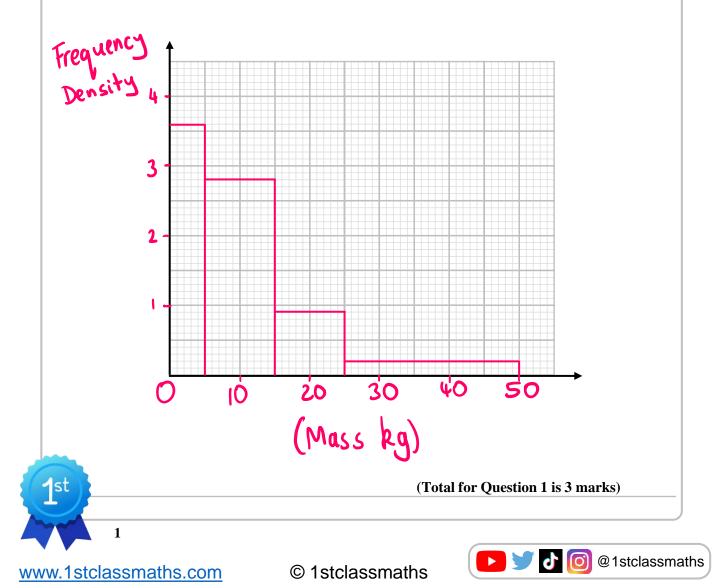


The table gives information about the mass, in kg, of 60 dogs. 1

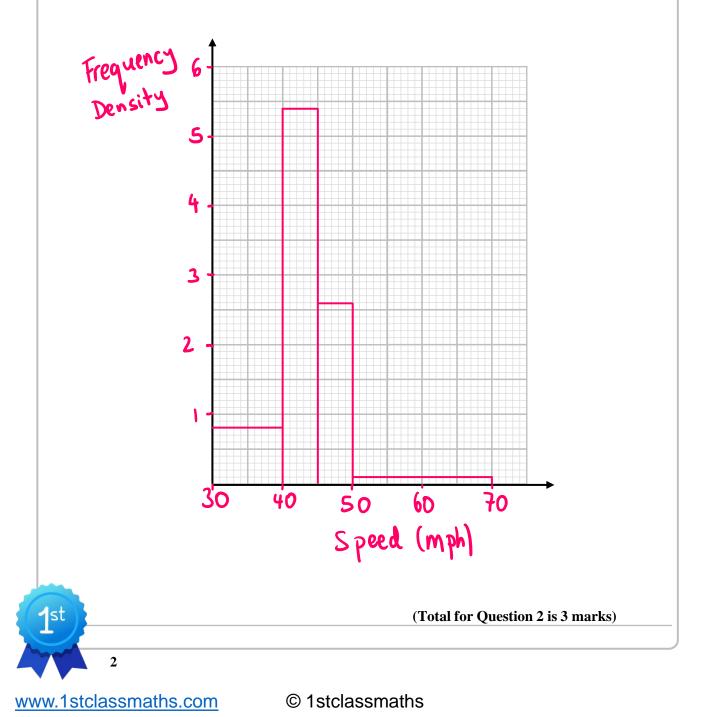
Mass (m kg)	Frequency	Frequency Density
$0 < m \leq 5$	18	18 ÷ 5 = 3.6
$5 < m \le 15$	28	$28 \div 10 = 2.8$
$15 < m \le 25$	9	9 ÷ 10 = 0·9
$25 < m \le 50$	5	5 ÷ 25 = 0·2



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2 The table gives information about the speeds, in mph, of 50 vehicles on a road.

Speed (S mph)	Frequency	Frequency Density
$30 < S \le 40$	8	8 ÷ 10 = 0·8
$40 < S \le 45$	27	$27 \div 5 = 5.4$
$45 < S \le 50$	13	13 ÷ 5 = 2·6
$50 < S \le 70$	2	2 ÷ 20 = 0·1

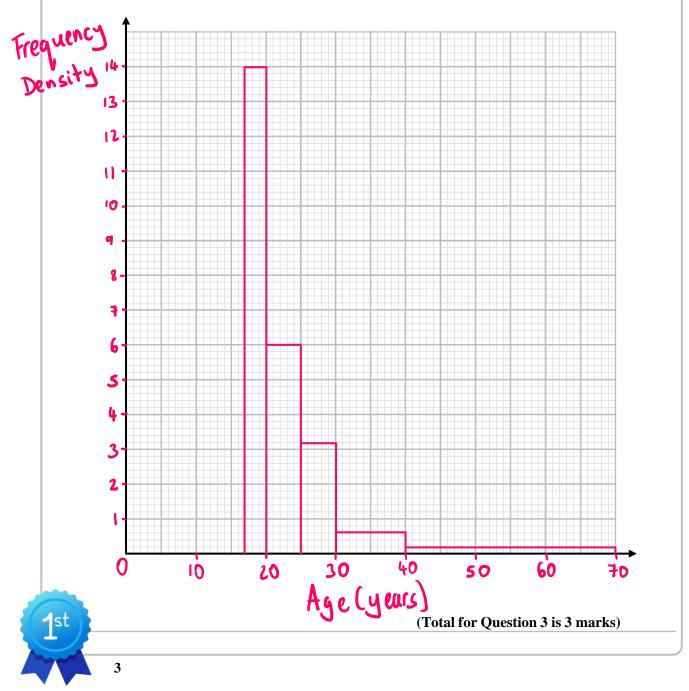


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3 The table gives information about the ages, in years, of 100 people taking their driving test on one day.

Age (A years)	Frequency	Frequency Density
$17 < A \le 20$	42	42 ÷ 3 = 14
$20 < A \le 25$	30	30 ÷ 5 = 6
$25 < A \le 30$	16	$16 \div 5 = 3.2$
$30 < A \le 40$	6	6 ÷ 10 = 0.6
$40 < A \le 70$	6	$6 \div 30 = 0.2$

On the grid, draw a histogram for this information.

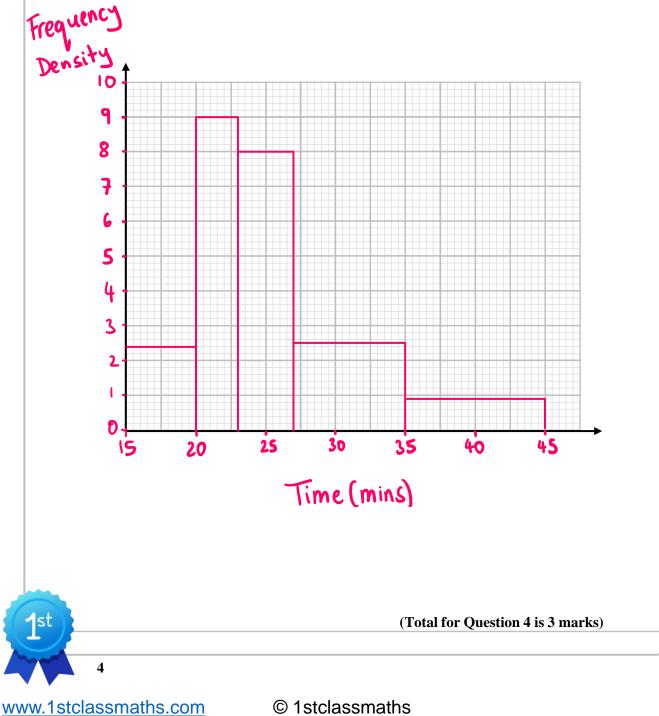


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4 The table gives information about the times, in minutes, of 100 runners to complete a race.

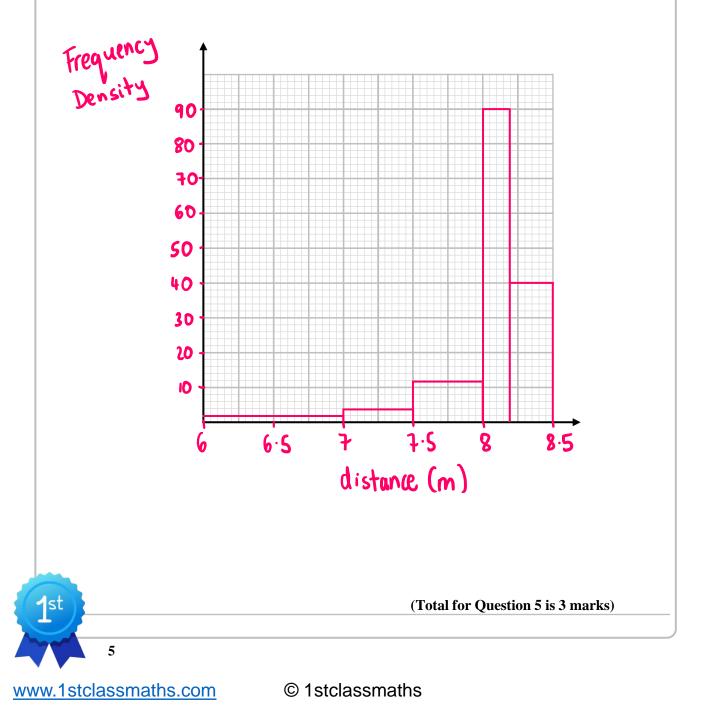
Time (<i>t</i> minutes)	Frequency	Frequency Density
$15 < t \le 20$	12	12 ÷ 5 = 2·4
$20 < t \le 23$	27	27 ÷ 3 = 9
23 < <i>t</i> ≤ 27	32	32÷4=8
$27 < t \le 35$	20	20÷8 = 2·5
$35 < t \le 45$	9	9 ÷ 10 = 0.9



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5 The table gives information about the distance, in metres, of 40 jumps by a longer jumper.

Distance (<i>d</i> metres)	Frequency	Frequency Density
$6 < d \leq 7$	2	2 ÷ 1 = 2
$7 < d \le 7.5$	2	2 ÷0·5 = 4
$7.5 < d \le 8$	6	6 ÷ 0·5 = 12
8 < <i>d</i> ≤ 8.2	18	18÷0·2 = 90
$8.2 < d \le 8.5$	12	12÷0·3=40

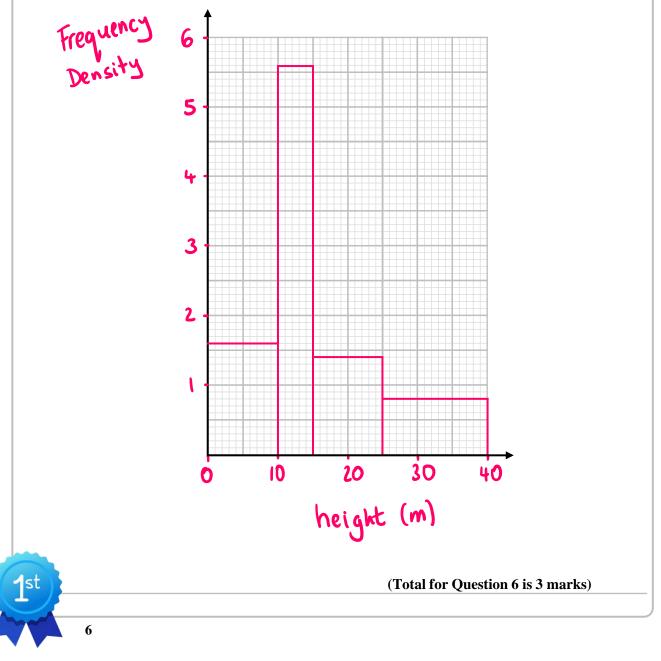


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6 The table gives information about the heights, in metres, of 70 trees in a park.

Height (<i>h</i> metres)	Frequency	Frequency Density
$0 < h \le 10$	16	$16 \div 10 = 1.6$
$10 < h \le 15$	28	$28 \div 5 = 5.6$
$15 < h \le 25$	14	14 ÷ 10 = 1.4
$25 < h \le 40$	12	$12 \div 15 = 0.8$

On the grid, draw a histogram for this information.



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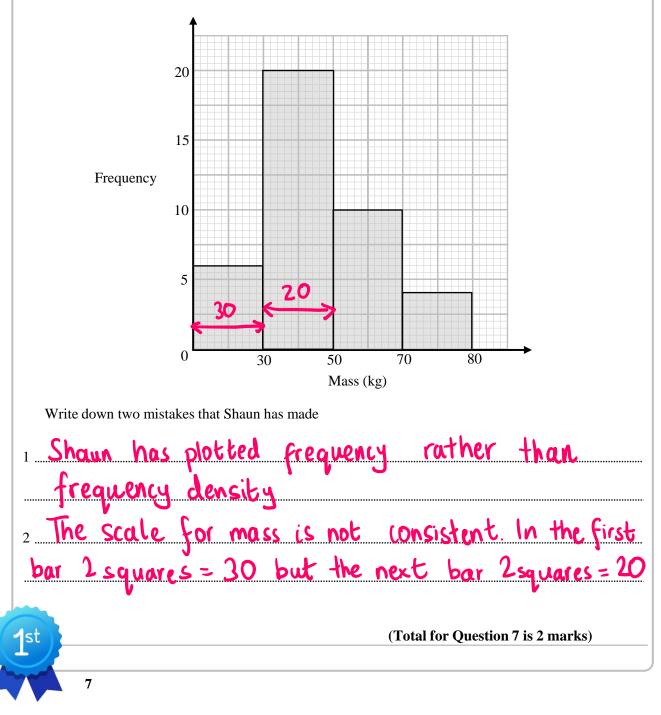
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7 The table gives information about the mass, in kg, of 40 sheep.

Mass (<i>m</i> kg)	Frequency
$0 < m \leq 30$	6
$30 < m \le 50$	20
$50 < m \le 70$	10
$70 < m \le 80$	4

Shaun drew a histogram for the information in the table.



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