Answers and mark guide

Q	Answer	Working	Marks
1	**90**	Frequency = frequency density × class width	3
2	**30**	Frequency = frequency density × class width	3
3	**50**	Frequency = frequency density × class width	3
4	**15**	Frequency = frequency density × class width	3
5	**240**	Frequency = frequency density × class width	3
6	**90**	Add the area of each bar.	4
7	**6**	30 ÷ 5	3
8	**2, 4, 1, 3**	Frequency density = frequency ÷ width	4
9	**10**	Width = frequency ÷ density	3
10	**20**	Area of the bar	3
11	**61.4%**	175 out of 285	4
12	**33.4**	Σ(midpoint × frequency) ÷ total	5
13	**1/7**	30/210	4
14	**50**	Frequency = density × width	3
15	**Class widths are unequal, so the area (not the height) must represent frequency**	Equal heights would be misleading for unequal widths.	3
16	**2 : 5**	Frequencies = density × width	5
17	**40**	Area = frequency	3
18	**75.0**	Assume the data is spread evenly across the class	5
19	**30**	3 × 10	3
20	**30**	3 × 10	3

My score: _____ / 70 Questions 1–15 = 51 marks (Foundation focus)