Answers and mark guide

Q	Answer	Working	Marks
1	**1/4**	Probability = number of ways ÷ total number of outcomes.	1
2	**1/6**	Probability = number of ways ÷ total number of outcomes.	1
3	**4/13**	Probability = number of ways ÷ total number of outcomes.	1
4	**1/2**	Probability = number of ways ÷ total number of outcomes.	1
5	**1/2**	Probability = number of ways ÷ total number of outcomes.	1
6	**3/5**	1 − 6/15	2
7	**0.8**	1 − 0.2	2
8	**1/3**	5 and 6: 2 out of 6	2
9	**1/2**	2, 3, 5, 7: 4 out of 8	2
10	**20**	120 × 1/6	2
11	**0.5**	1 − 0.15 − 0.35	3
12	**0.43**	43/100	3
13	**HH, HT, TH, TT**	4 outcomes	3
14	**1/4**	1 out of 4 outcomes	3
15	**80**	200 × 0.4	3
16	**1/6**	6 of the 36 outcomes: (1,6),(2,5),(3,4),(4,3),(5,2),(6,1)	4
17	**0.65**	0.25 + 0.4	3
18	**1/4**	3/6 × 3/6 = 9/36	4
19	**1/9**	(2,6),(3,4),(4,3),(6,2): 4 of 36	4
20	**1/15**	2/6 × 1/5	5

My score: _____ / 50 Questions 1–15 = 30 marks (Foundation focus)