Answers and mark guide

Q	Answer	Working	Marks
1	**8**	Sum = 40; ÷ 5 = 8	1
2	**13**	Ordered: 3, 8, 13, 15, 21. Middle value = 13	1
3	**3**	3 appears most often.	1
4	**34**	36 − 2	1
5	**13**	Sum = 52; ÷ 4 = 13	1
6	**14.5**	Ordered: 2, 8, 10, 19, 27, 28. Mean of the middle two = 29/2	2
7	**9**	Sum = 54; ÷ 6	2
8	**(a) 8 (b) 6**	Mode = most common value; range = largest − smallest.	2
9	**22**	Ordered: 12, 13, 19, 21, 23, 25, 32, 36. Middle two: 21 and 23	2
10	**33**	Total = 5×13 = 65; 65 − 32 = 33	3
11	**13**	New total 45 − old total 32 = 13	3
12	**156.60 cm**	Total = 1200+1932 = 3132; ÷ 20	4
13	**9**	6×24 − 5×27 = 144 − 135 = 9	3
14	**90**	9×74 − 8×72 = 666 − 576	4
15	**1.92**	Total pets = 0×4+1×3+2×9+3×9 = 48; students = 25	4
16	**6**	3 + x + 3x + 9 = 4×9 = 36; 4x = 24; x = 6	4
17	**3**	5 + x + 3x + 11 = 4×7 = 28; 4x = 12; x = 3	4
18	**59.40**	Total = 660+528; ÷ 20	4
19	**20**	Total 180; four numbers total 60; remaining 120 ÷ 6	4
20	**48**	10×30 − 9×28	4

My score: _____ / 54 Questions 1–15 = 34 marks (Foundation focus)