Answers and mark guide

Q	Answer	Working	Marks
1	**39 cm²**	13×3 = 39	1
2	**36 cm**	2×(12+6) = 36	2
3	**33 cm²**	11×3 = 33	1
4	**38 cm**	2×(15+4) = 38	2
5	**24 cm²**	6×4 = 24	1
6	**25 cm²**	5×5	2
7	**48 cm**	Side = √144 = 12; perimeter = 4×12	2
8	**56 cm²**	½ × 14 × 8	2
9	**66 cm²**	11 × 6	2
10	**5 cm**	35 ÷ 7	2
11	**42 cm²**	½ × (6+15) × 4	3
12	**64 cm²**	Side = 8; area = 8^2	3
13	**50 cm²**	Half perimeter 15; width = 5; area = 50	3
14	**4 cm**	½ × 18 × h = 36, so h = 4	3
15	**128 cm²**	6x = 48 so x = 8; area = 8×16	3
16	**(a) 118 cm² (b) 50 cm**	(a) 15×10 − 8×4 = 118. (b) The perimeter equals that of the full rectangle: 2×(15+10) = 50.	4
17	**(a) 80 cm² (b) 42 cm**	(a) 10×11 − 6×5 = 80. (b) The perimeter equals that of the full rectangle: 2×(10+11) = 42.	4
18	**(a) 78 cm² (b) 38 cm**	(a) 10×9 − 4×3 = 78. (b) The perimeter equals that of the full rectangle: 2×(10+9) = 38.	4
19	**8 cm**	Perimeter = 44; half = 22; width = 22 − 14 = 8.	4
20	**128 cm²**	Perimeter = 48. Rectangle width = 24 − 16 = 8. Area = 16×8.	4

My score: _____ / 52 Questions 1–15 = 32 marks (Foundation focus)