Answers and mark guide

Q	Answer	Working	Marks
1	**69 cm²**	9×9 − 4×3	3
2	**58 cm²**	11×8 − 6×5	3
3	**120 cm²**	11×12 − 6×2	3
4	**73 cm²**	15×10 − 11×7	3
5	**51 cm²**	9×11 − 6×8	3
6	**50 cm**	The perimeter equals that of the surrounding rectangle.	3
7	**40 cm**	The perimeter equals that of the surrounding rectangle.	3
8	**58 cm**	The perimeter equals that of the surrounding rectangle.	3
9	**56 cm**	The perimeter equals that of the surrounding rectangle.	3
10	**58 cm**	The perimeter equals that of the surrounding rectangle.	3
11	**78 cm²**	6×6 + ½×6×14	4
12	**70 cm²**	5^2 + 9×5	3
13	**Area 106 cm²; perimeter 50 cm**	Area = 14×11 − 8×6	5
14	**115 cm²**	½ × (7 + 16) × 10	4
15	**90 cm²**	12×10 − 6×5	4
16	**168 m²**	(26)×(20) − 22×16	5
17	**4.47 cm (3 s.f.)**	12 × 10 − s^2 = 100, so s^2 = 20	5
18	**74.1 cm²**	10×6 + ½π$(3)^2$	5
19	**428 cm²**	Area scale factor is 2^2 = 4.	5
20	**Area 96 cm²**	7×8 + 8×5	5

My score: _____ / 75 Questions 1–15 = 50 marks (Foundation focus)