Answers and mark guide

Q	Answer	Working	Marks
1	**45 cm³**	5 × 3 × 3	2
2	**64 cm³**	4^3	2
3	**28 cm²**	½ × 7 × 8	2
4	**70 cm³**	Area of cross-section × length = 10 × 7	3
5	**4 cm**	128 ÷ 32	3
6	**288 cm³**	½(6+10)×6 × 6	4
7	**500 m³**	Area = ½(1 + 3) × 25 = 50; × 10	5
8	**495 cm³**	55 × 9	2
9	**10 cm**	16 × L = 160	4
10	**112 litres**	112000 cm³ ÷ 1000	4
11	**516 cm³**	(9×7 − 4×5) × 12	5
12	**6 cm**	528 ÷ 88	3
13	**8**	$2^3 = 8$	4
14	**108 cm³**	½ × b × h × length	4
15	**0.072 m³**	÷ 1 000 000	3
16	**300 seconds**	Volume = 30 000 cm³ = 30 litres; 30 ÷ 6 = 5 min	5
17	**300 cm³**	Other side = 12 cm; ½ × 5 × 12 × 10	5
18	**840 cm³**	Volume scale factor 8	4
19	**50**	400 ÷ 8	5
20	**565 cm³**	½πr² × 10	5

My score: _____ / 74 Questions 1–15 = 50 marks (Foundation focus)