Mark scheme

Converting area and volume units

Mathematics 0580 · Questions from Paper 1, Paper 2 and Paper 4

Total marks

20

MARKS FOR EACH QUESTION

1	2	3	4	5	6	7	8	9	10	Total
1	2	2	2	2	2	2	2	2	3	**20**

Question 1 **[1]**

1	4370	**1**	

Question 2 **[2]**

2	**(a)**	18.3	**1**	
	(b)	128	**1**	

Question 3 **[2]**

3(a)	6540	**1**	
3(b)	7.85[0]	**1**	

Question 4 **[2]**

4(a)	64.5	**1**	
4(b)	4 100 000 oe	**1**	

Question 5 **[2]**

5	3500 14 000	**2**	**B1** for each

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Question 6 **[2]**

6(a)	0.047	**1**	
6(b)	8.5	**1**	

Question 7 **[2]**

7(a)	0.078[0] oe	**1**	
7(b)	37 000	**1**	

Question 8 **[2]**

8	6.4×10^7	2	**M1** $64 \times 100^2 \times 10^2$ or 64 000 000 oe

Question 9 **[2]**

9	64 000 or 6.4×10^4	**2**	**SC1** for 63800 or 6.38×10^4 **or** figs 64 or 6.4×10^k in answer space.

Question 10 **[3]**

10	900	**3**	**M2** for $\frac{150 \times 100 \times 60}{1000}$ oe or **M1** for $150 \times 100 \times 60$ or $1.5 [\times 1] \times 0.6$ or **B1** for figs 9

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