Mark scheme

Exchange rates

Mathematics 0580 · Questions from Paper 1, Paper 2 and Paper 3

Total marks

29

MARKS FOR EACH QUESTION

1	2	3	4	5	6	7	8	9	10	Total
1	1	2	2	2	2	3	3	4	9	**29**

Question 1 **[1]**

1	84.5[0]	**1**	

Question 2 **[1]**

2	0.892	**1**	

Question 3 **[2]**

3	495.36	**2**	**M1** for 700 ÷ 1.4131

Question 4 **[2]**

4	257	**2**	**B1** for 257.4

Question 5 **[2]**

5	27032 cao	**2**	**M1** for 400 × 1.09 [× 62] or 62 × 1.09[× 400]

Question 6 **[2]**

6	[0].67	**2**	**M1** for 14 × 0.905 [–12] or 12.67 If zero scored, **SC1** for answer [0].74[0]

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Question 7 **[3]**

7	30.86 cao	**3**	**B2** for 30.858 or **M1** for 846×0.923 or $\left(846 - \frac{750}{0.923}\right) \times 0.923$ **B1** for rounding their answer correct to 2 decimal places

Question 8 **[3]**

8	221	**3**	**M2** for $\frac{17850 \times 0.013}{1.05}$ or **M1** for 17850×0.013 or for $\frac{1.05x}{0.013} = 17850$

Question 9 **[4]**

9	7.3 cao	**4**	**M3** for $\frac{150 \times 0.84}{3.45 \times 5}$ or **B3** for final answer figs 73[04...] or **M2** for $\frac{150 \times 0.84}{3.45}$ or $\frac{3.45 \times 5}{0.84}$ or **M1** for 150×0.84 or 3.45×5 or $\frac{3.45}{0.84}$

Question 10 **[9]**

10	**(a)** **(i)** 70 cao	**1**	
	(ii) 1.11(11…)	**2**	**B1** for $100 \div 90$, $10 \div 9$, $1\frac{1}{9}$
	(b) **(i)** 15 cao	**1**	
	(ii) $(1500 - 15) \times 1.04$	**2**	**B1** for $\times 1.04$, 1560, 15.60
	(c) 561.92	**3**	**M1** for $1544.40 - 950 - 10$ (584.40) oe **M1** indep for $\div 1.04$

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