Mark scheme

Money, time and the calculator

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

Total marks

34

MARKS FOR EACH QUESTION

1	2	3	4	5	6	7	8	9	10	Total
1	2	2	2	3	3	3	3	3	12	**34**

Question 1 **[1]**

1	7 h 10 min	**1**	

Question 2 **[2]**

2	**(a)** −447	**1**	
	(b) 2	**1**	

Question 3 **[2]**

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

Question 4 **[2]**

4	293.40	**2**	**M1** for 11.52 × 25 + 5.4

Question 5 **[3]**

5	36	**3**	**M2** for 5 × 3 + 7.5 + 9.5 + 4 oe or **M1** for two of 5, 7.5, 9.5 and 4

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Question 6 **[3]**

6	<table><tr><th>Fruit</th><th>Cost per kg</th><th>Cost</th></tr><tr><td>Oranges</td><td></td><td>$7.52</td></tr><tr><td>Bananas</td><td>$2.15</td><td>$6.02</td></tr></table>	**3**	**B1** for 7.52 **B1** for 6.02 or **B1FT** for 13.54 – *their* 7.52 correctly evaluated provided *their* 7.52 < 13.54 **B1FT** for *their* 6.02 ÷ 2.8 correctly evaluated

Question 7 **[3]**

7	Wednesday and 10 25	**3**	**B2** for 10 25 or **B1** for one correct time calculation or **M1** for 07 30 + 10 55 + 16 00

Question 8 **[3]**

8	221	**3**	**M2** for $\frac{17850\times0.013}{1.05}$ or **M1** for 17850×0.013 or for $\frac{1.05x}{0.013} = 17850$

Question 9 **[3]**

9	UK by [$]0.69 or [$]0.692…	**3**	**B2** for 1.96[8…] or 1.97 **and** 1.27[6…] or 1.28 or **M2** for $1.62\times1.215-\frac{4.83}{3.785}$ oe or **M1** for 1.62×1.215 or $\frac{4.83}{3.785}$

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Question 10 **[12]**

10(a)	18593 cao	**2**	**M1** for $7437.05 \times 250 \div 100$ oe
10(b)	804.53 cao	**2**	**M1** for $5400 \div 671.20$ [$\times 100$] oe
10(c)(i)	2000	**2**	**M1** for $3500 \div (4 + 3)$ [$\times k$] oe
10(c)(ii)	1354.13 …	**3**	**M2** for (3500 – *their* **(c)(i)**) $\times \frac{77.05}{85.35}$ oe or **M1** for (3500 – *their* **(c)(i)**) ÷ figs 85.35 oe or for $\frac{77.05}{85.35}$ oe or for (3500 – *their* **(c)(i)**) × figs 77.05
10(c)(iii)	2 [h] 52 [min] nfww	**3**	**M2** for $\frac{2100 \text{ to } 2200}{740+10}$ or $\frac{2200-50}{740 \text{ to } 760}$ or **M1** for 2200 + 50 or 2200 – 50 or 740 + 10 or 740 – 10

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