

Mark Scheme (Results)

March 2010

GCSE

GCSE Mathematics (Modular) - 2381

Paper: 5381F/5B

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Question	Working	Answer	Mark	Notes
1 (a)		France	1	B1 cao
(b)	82 - 40	42	2	M1 for 82 - 40 A1 cao
2 (a)		Cross at $\frac{1}{2}$	1	B1 for cross at $\frac{1}{2}$ ($\pm 2\text{mm}$)
(b)		Cross at 0	1	B1 for cross at 0 (within 2mm)
3		(J,C) (J,E) (J,P) (T,B) (T,C) (T,E) (T,P)	2	B2 for fully correct answer. Ignore duplicates. (B1 for at least 3 additional correct pairings)
4 (a)		3	1	B1 cao
(b)		July	1	B1 cao
5	$360 \div 180$ $90 \div 2$ $150 \div 2$ $120 \div 2$ OR $180 \div 4$ oe $180 \div 3$ oe $180 \times \frac{5}{12}$ oe	45 75 60	3	M1 for any correct method shown (see opposite) to find one frequency (can be implied by one correct answer). A1 for two correct entries A1 for fully correct table. NB: award B1 for 45, 75, 60 but not correctly placed.

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Question	Working	Answer	Mark	Notes																				
6		<table border="1"> <tr> <td>14</td> <td> </td> <td>6</td> <td>7</td> <td></td> </tr> <tr> <td>15</td> <td> </td> <td>1</td> <td>2</td> <td>4 5 8 8</td> </tr> <tr> <td>16</td> <td> </td> <td>3</td> <td>4</td> <td>7 9</td> </tr> <tr> <td>17</td> <td> </td> <td>0</td> <td>2</td> <td>6</td> </tr> </table> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Key: 14 6 means 146</div>	14		6	7		15		1	2	4 5 8 8	16		3	4	7 9	17		0	2	6	3	<p>M1 for unordered stem and leaf diagram (condone 2 errors, 1 number misplaced counts as 1 error; an omission is 1 error). Note: ignore commas; accept inconsistent/absent spacing A1 for correctly ordered and fully correct diagram B1 for key e.g. 14 6 means 146; 14 6 = 146; accept 140 6 etc if consistent with the table; units not necessary. NB: if 1 46 , etc used, mark as above and penalise one mark. If an ordered and unordered diagram are presented mark the ordered.</p>
14		6	7																					
15		1	2	4 5 8 8																				
16		3	4	7 9																				
17		0	2	6																				

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