

Mark Scheme (Results)

March 2010

GCSE

GCSE Mathematics (Modular) - 2381

Paper: 5381F/ 5B

Edexcel is one of the leading examining and awarding bodies in the UK and throughout the world. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers.

Through a network of UK and overseas offices, Edexcel's centres receive the support they need to help them deliver their education and training programmes to learners.

For further information, please call our GCE line on 0844 576 0025, our GCSE team on 0844 576 0027, or visit our website at www.edexcel.com.

March 2010

Publications Code UG 023171

All the material in this publication is copyright

© Edexcel Ltd 2010

5381F/5B				
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.

5381F/5B																											
Question	Working	Answer	Mark	Notes																							
6		<table><tr><td>14</td><td> </td><td>6</td><td>7</td></tr><tr><td>15</td><td> </td><td>1</td><td>2</td><td>4</td><td>5</td><td>8</td><td>8</td></tr><tr><td>16</td><td> </td><td>3</td><td>4</td><td>7</td><td>9</td></tr><tr><td>17</td><td> </td><td>0</td><td>2</td><td>6</td></tr></table> <div>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	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.
14		6	7																								
15		1	2	4	5	8	8																				
16		3	4	7	9																						
17		0	2	6																							

Further copies of this publication are available from
Edexcel Publications, Adamsway, Mansfield, Notts, NG18 4FN

Telephone 01623 467467
Fax 01623 450481

Email publications@inneydirect.com

Order Code UG 023171
March 2010

For more information on Edexcel qualifications, please visit www.edexcel.com/quals

Edexcel Limited. Registered in England and Wales no.4496750
Registered Office: One90 High Holborn, London, WC1V 7BH