

# Mark Scheme (Results)

November 2009

GCSE

GCSE Mathematics (Modular) - 2381

Paper: 5381F/ 5B

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5381F/5B																					
Question		Working		Answer	Mark	Notes															
1		<table><tr><td>No</td><td>Tally</td><td>F</td></tr><tr><td>0 - 5</td><td>    </td><td>8</td></tr><tr><td>6 – 10</td><td>      </td><td>11</td></tr><tr><td>11 –15</td><td>    </td><td>8</td></tr><tr><td>16 - 20</td><td>   </td><td>3</td></tr></table>		No	Tally	F	0 - 5		8	6 – 10		11	11 –15		8	16 - 20		3		3	B3 for a fully correct table showing all tallies and frequencies. [B2 for 2 or 3 correct tally and related frequency entries OR for 4 correct frequency totals, if tallies omitted, appearing in either column] [B1 for one correct tally or one correct frequency]
No	Tally	F																			
0 - 5		8																			
6 – 10		11																			
11 –15		8																			
16 - 20		3																			
2 (a)				10	1	B1 cao															
(b)				26	1	B1 cao															
(c)				4	1	B1 cao															
(d)		Heights 18 (boys) and 14 (girls) correct on diagram			1	B1 for two correct bars (± 0.5 of the line width) If un-shaded/ indistinct shading then the 18 must be to the left. Bars can be separated by a space.															
3				$\frac{3}{8}$	1	B1 for $\frac{3}{8}$ (accept 0.375, 37.5% but NOT “3 out of 8” or “3 to 8” or “3 in 8 or any other form that is not either a fraction, a decimal or a percentage.)															

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Question	Working			Answer	Mark	Notes
4		Tally	Frequency	Data collection sheet	2	<p>M1 for a chart quoting all 4 cases (men, women, boys, girls) with spaces in which tally marks or equivalent could be recorded.</p> <p>[Do not accept - graphs unless it is clear how it is to be used to collect data.</p> <p>- questions from a questionnaire]</p> <p>A1 for an indication of tallying (oe), either by example or heading AND a column or indication of frequency (totaling)</p> <p>Ignore extra information that may be given on the collection sheet.</p> <p>[SC: B1 for a tally column and a frequency column if M0 scored]</p> <p>Note: Use of the 3 cases; ‘men’, ‘women’, ‘boys &amp; girls’ is acceptable throughout</p>
	Girls					
	Boys					
	Men					
	Women					

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Question	Working	Answer	Mark	Notes
(5) (a)		( <b>1, 1</b> )(1, 2) (1, 3)(2, 1) (2, 2)(2, 3) (3, 1)(3, 2)(3, 3)	2	M1 at least 6 outcomes, including the (1, 1) given. [ignore repeated outcomes] A1 for all 9 correct
(b)		$\frac{1}{9}$ oe	1	B1 for $\frac{1}{9}$ or ft from their list of outcomes in (a) [Accept exact decimals and exact percentages, but not '1 out of 9' or '1 to 9' or '1 in 9', etc]
(6) (a)		2	1	B1cao
(b)		No, since $5 - 1 = 4$ oe	1	B1 'No' + 'correct answer is 4' Or 'there was no-one who gained 0 marks' oe

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