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Mark Scheme (Results)

November 2009

GCSE

GCSE Mathematics (Modular) - 2381
Paper: 5381F/5B

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November 2009

Publications Code UG 022433

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Question	Working	Answer	Mark	Notes
1	No / Tally / F 0 - 5 / 𝍸 𝍸 ||| / 8 6 – 10 / 𝍸 𝍸 | / 11 11 –15 / 𝍸 ||| / 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]
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.)

<table>
<tr><th colspan="5">5381F/5B</th></tr>
<tr><th>Question</th><th>Working</th><th>Answer</th><th>Mark</th><th>Notes</th></tr>
<tr>
<td>4</td>
<td>
<table>
<tr><td></td><td>Tally</td><td>Frequency</td></tr>
<tr><td>Girls</td><td></td><td></td></tr>
<tr><td>Boys</td><td></td><td></td></tr>
<tr><td>Men</td><td></td><td></td></tr>
<tr><td>Women</td><td></td><td></td></tr>
</table>
</td>
<td>Data collection sheet</td>
<td>2</td>
<td>M1 for a chart quoting all 4 cases (men, women, boys, girls) with spaces in which tally marks or equivalent could be recorded.
[Do not accept - graphs unless it is clear how it is to be used to collect data.
- questions from a questionnaire]
A1 for an indication of tallying (oe), either by example or heading AND a column or indication of frequency (totaling)
Ignore extra information that may be given on the collection sheet.
[SC: B1 for a tally column and a frequency column if M0 scored]
Note: Use of the 3 cases; ‘men’, ‘women’, ‘boys & girls’ is acceptable throughout</td>
</tr>
</table>

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Question	**Working**	**Answer**	**Mark**	**Notes**
(5) (a)		**(1, 1)**(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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