

Mark Scheme (Results)

March 2010

GCSE

GCSE Mathematics (Modular) - 2381

Paper: 5381F/ 5A

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Question	Working	Answer	Mark	Notes
1 (a)		Completed bar chart	2	B1 for one correct bar B1 for another correct bar
(b)		Silver	1	B1 silver or ft
(c)		52	1	B1 52 or ft
2	1.1, 1.2, 1.5, 1.6, 1.9, 2.0, 2.8	1.6	2	M1 for ordering or indicating middle number A1 cao (SC B1 for 1.2)
3 (a)		(9) 10 17 36 3 16 (20) (39) 12 (26) (37) (75)	3	B3 for a fully correct table (B2 for 4 or 5 correct entries B1 for 1 or 2 or 3 correct entries)
(b)		$\frac{26}{75}$	2	B2 for $\frac{26}{75}$ oe (B1 for $\frac{26}{x}$, $x > 26$, $x \neq 75$ or for $\frac{x}{75}$, $x < 75$, $x \neq 26$)

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Question	Working	Answer	Mark	Notes
4	$3 \times 30 = 90$ $3 \times 29.5 = 88.5$ $7 \times 90 = 630$ $7 \times 89.5 = 626.5$ $20 \times 150 = 3000$ $20 \times 149.5 = 2990$ $15 \times 210 = 3150$ $15 \times 209.5 = 3142.5$ $5 \times 270 = 1350$ $5 \times 269.5 = 1347.5$ $8220 \div 50$ $8195 \div 50$	163.9 – 164.4	4	<p>M1 for use of fx with x consistent within intervals (including end points). Allow two slips even if outside interval</p> <p>M1 (dep) for use of midpoints. Allow one miscalculation as long as the overall intention is clear.</p> <p>M1 (dep on 1st M1) for use of $\Sigma fx/50$ or $\Sigma fx/\Sigma f$</p> <p>A1 163.9 – 164.4</p> <p>NB: do not award the marks for fx calculations if they are subsequently replaced by an alternative method, which is used.</p>

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