

Mark Scheme (Results)

March 2010

GCSE

GCSE Mathematics (Modular) - 2381

Paper: 5381H/6A

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5381H/6A				
Question	Working	Answer	Mark	Notes
1 (a)	$0.4 + 0.2$	0.6	2	M1 for $0.4 + 0.2$ or $1 - (0.3 + 0.1)$ oe A1 for 0.6 oe NB: $0.4+0.2$ followed by further incorrect work gets 0 marks.
(b)	200×0.3	60	2	M1 for 200×0.3 A1 cao
2	$3 \times 30 = 90$ $3 \times 29.5 = 88.5$ $7 \times 90 = 630$ $7 \times 89.5 = 626.5$ $20 \times 150 = 3000$ $20 \times 149.5 = 2990$ $15 \times 210 = 3150$ $15 \times 209.5 = 3142.5$ $5 \times 270 = 1350$ $5 \times 269.5 = 1347.5$ $8220 \div 50$ $8195 \div 50$	$163.9 - 164.4$	4	M1 for use of fx with x consistent within intervals (including end points). Allow two slips even if outside interval. M1 (dep) for use of midpoints. Allow one miscalculation as long as the overall intention is clear. M1 (dep on 1 st M1) for use of $\Sigma fx/50$ or $\Sigma fx/\Sigma f$ A1 163.9 – 164.4 NB: do not award the marks for fx calculations if they are subsequently replaced by an alternative method, which is used.

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Question	Working	Answer	Mark	Notes	
3	(a)	$(19.2 + 21.4 + 16.1) \div 3$ $(21.4 + 16.1 + 21.3) \div 3$	18.9, 19.6	2	M1 for $(19.2 + 21.4 + 16.1) \div 3$ or $56.7 \div 3$ or $(21.4 + 16.1 + 21.3) \div 3$ or $58.8 \div 3$ (condone missing brackets) or sight of 18.9 or 19.6 A1 cao
	(b)		Increasing	1	B1 for increasing / going up, or ft.
	(c)	$\frac{80}{258} \times 60$	19	2	M1 for $\frac{80}{258} \times 60$ oe or 18.6 (046...) seen A1 for fully correct answer (accept 18 or 19)
4		Bars drawn of height 1.5 cm and 1cm	2	M1 for identifying 1cm^2 as a frequency of 2 (may be implied by one correct bar) or one correct frequency density. A1 for fully correct answer.	

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