

Mark Scheme Results Summer 2010

GCSE

GCSE Mathematics (5383F)
Paper 09

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5383F/09				
Question	Working	Answer	Mark	Notes
1 (a)		40	1	B1 for 40 or 40p
(b)		4	1	for 4 cao
2 (i)		metres (m)	1	B1 for metres (or m), accept kilometres (or km)
(ii)		litres (l)	1	B1 for litres (or l), accept cubic metres (or m^3)
3	$2 \times 0.90 + 2.45$	4.25	2	M1 for $2 \times 0.90 + \pounds 2.45$ or $2 \times 0.90(0) + 2.45$ or $2 \times 90 + 245$ or $2 \times 90p + \pounds 2.45$ or digits 425 seen A1 cao but accept $\pounds 4.25p$ SCB1 for 3.35 or 335p or 6.70 or 670p
4 (i)		6	1	B1 for 6 cao
(ii)		12	1	B1 for 12 cao

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Question	Working	Answer	Mark	Notes
5 (i)		9	1	B1 for 9 cao
(ii)		8	1	B1 for 8 cao
6 (a)		$3m$	1	B1 for $3m$ (accept $m3$ or $3 \times m$ or $m \times 3$)
(b)		$8cd$	1	B1 for $8cd$ (accept $8dc$, $cd8$, $dc8$ oe)
(c)		$4a + 2b$	2	B2 for $4a + 2b$ (B1 for $4a$ or $+2b$ seen)
7		7	2	M1 for $(39.50 - 2 \times 7.50) \div 3.50$ oe A1 for 7 cao or M1 for $2 \times 7.50 + n \times 3.50$ where $n \neq 0$ (may be seen as a repeated addition) or $39.50 - 2 \times 3.50 - n \times 3.50$ where $n \neq 0$ A1 cao

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Question	Working	Answer	Mark	Notes
8	$(40 \div 5) \times (30 \div 10) \times (30 \div 6)$	120	3	<p>M1 for $40 \div 5$ or $30 \div 10$ or $30 \div 6$ or $40 \div 10$ or $30 \div 5$ or at least two of 8, 3, 5 seen. M1 (dep) for $(40 \div 5) \times (30 \div 10) \times (30 \div 6)$ or $(40 \div 10) \times (30 \div 6) \times (30 \div 5)$ or “8”×”5”×”3” or “4”×”5”×”6” A1 cao or M1 for $6 \times 10 \times 5$ or 300 or $30 \times 30 \times 40$ or 36000 M1 (dep) for $(30 \times 30 \times 40) \div (6 \times 10 \times 5)$ or “36000” ÷ “300” A1 cao</p>
9		8.87605 (042.)	2	<p>M1 for 42.25 seen or 4.76 seen A1 for 8.87605 (042...) SC: B1 for $\frac{4225}{476}$ or $8\frac{417}{476}$ or answer in range 8.8-8.9 inclusive</p>
10 (a)		Reason	1	B1 for ‘The bearing is 320° ’ or ‘He should have measured clockwise’ or ‘The bearing is a reflex angle’ oe
(b)		140	1	B1 for 140 cao

Question	Working	Answer	Mark	Notes
11 (i)		7^8	1	B1 for 7^8 , accept 7^{6+2}
(ii)		7^4	1	B1 for 7^4 , accept 7^{9-5}

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