

Mark Scheme Results

Summer 2010

GCSE

GCSE Mathematics (5383F)
Paper 09

Edexcel is one of the leading examining and awarding bodies in the UK and throughout the world. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers.

Through a network of UK and overseas offices, Edexcel's centres receive the support they need to help them deliver their education and training programmes to learners.

For further information, please call our GCE line on 0844 576 0025, our GCSE team on 0844 576 0027, or visit our website at www.edexcel.com

Summer 2010

Publications Code UG024448

All the material in this publication is copyright

© Edexcel Ltd 2010

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 $2 \times 0.90 + \text{£}2.45$ or $2 \times 0.90(0) + 2.45$ or $2 \times 90 + 245$ or $2 \times 90\text{p} + \text{£}2.45$ or digits 425 seen A1 cao but accept $\text{£}4.25\text{p}$ 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

5383F/09				
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

5383F/09				
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” \div “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}
11 (ii)		7^4	1	B1 for 7^4 , accept 7^{9-5}

Further copies of this publication are available from
International Regional Offices at www.edexcel.com/international

For more information on Edexcel qualifications, please visit www.edexcel.com
Alternatively, you can contact Customer Services at www.edexcel.com/ask or on + 44 1204 770 696

Edexcel Limited. Registered in England and Wales no.4496750
Registered Office: One90 High Holborn, London, WC1V 7BH