

Oxford Revise | Edexcel GCSE Maths Foundation | Answers

Chapter 1 Basic number

Question	Answer	Extra information	Marks
1.1	5 000 000		1
1.2	-3, -1, 0, 2, 4		1
1.3 (a)	four thousand		1
1.3 (b)	forty		1
1.3 (c)	four-tenths		1
1.4	5.454, 4.554, 4.545, 4.455		1
1.5 (a)	>		1
1.5 (b)	<		1
1.5 (c)	=		1
1.6	$\pounds 25 \div 10 = \pounds 2.50$		1
1.7 (a)	$\begin{array}{r} ^1^1 \\ 749 \\ + 164 \\ \hline 913 \end{array}$	Digits correctly lined up in columns	1
		Correct answer	1

Question	Answer	Extra information	Marks
1.7 (b)	$\begin{array}{r} 1\overset{6}{\cancel{7}}.\overset{1}{2}8 \\ - 6.72 \\ \hline 10.56 \end{array}$	Digits correctly lined up in columns Correct answer	1 1
1.7 (c)	$63 \times 7 = 441$, so $6.3 \times 7 = 44.1$	Multiplies 63×7 to get 441 Correct answer	1 1
1.7 (d)	$\begin{array}{r} 37 \\ \times 24 \\ \hline 148 \\ 740 \\ \hline 888 \end{array}$ So, $3.7 \times 2.4 = 888 \div 100 = 8.88$	Multiplies 37×24 to get 888 Correct answer	1 1
1.7 (e)	0.16	Divides 128 by 8 to get 16 Correct answer	1 1
1.8	$230 - 170 = 60$ $8 \div 2 = 4$	Only these two calculations must be circled for full marks. Deduct 1 mark for any incorrect answer circled	1 1
1.9 (a)	$4 + 30 = 34$		1
1.9 (b)	$16 \div 8 = 2$		1
1.9 (c)	$\frac{9+6}{3} = \frac{15}{3} = 5$		1
1.10 (a)	$268\,000 \div 10 = 26\,800$		1

Question	Answer	Extra information	Marks
1.10 (b)	$268\,000 \div 10 \div 100 = 268$		1
1.10 (c)	400		1
1.10 (d)	6700		1
1.11 (a)	$34 - (20 - 17) = 31$		1
1.11 (b)	$(4 + 5) \times (3 - 1) = 18$	This statement is also correct as it stands.	1
1.12 (a)	$ \begin{array}{r} \overset{1}{5} \overset{1}{6} \overset{1}{7} 2 \\ 2354 \\ + 967 \\ \hline 8993 \end{array} $ They sold 8993 tickets in total.	Digits correctly lined up in columns Correct answer	1 1
1.12 (b)	$ \begin{array}{r} 56\overset{6}{\cancel{7}}\overset{1}{2} \\ - 2354 \\ \hline 3318 \end{array} $ They sold 3318 more tickets on Saturday compared to Friday.	Digits correctly lined up in columns Correct answer	1 1
1.13 (a)	$26 + 39$ or $29 + 36$		1
1.13 (b)	$93 + 62$ or $92 + 63$		1

Question	Answer	Extra information	Marks
1.13 (c)	(a) 65 (b) 155		1
1.13 (d)	(a) 70 (b) 160		1
1.14 (a)	$6 - 3 = 3$		1
1.14 (b)	$-7 + 4 = -3$		1
1.14 (c)	48		1
1.14 (d)	-6		1
1.14 (e)	$\frac{-6 + (-9)}{-5} = \frac{-6 - 9}{-5} = \frac{-15}{-5} = 3$		1
1.15	562		1
1.16 (a)	26.3		1
1.16 (b)	26	Do not accept 26.0, 26.00 or 26.000	1
1.16 (c)	$312 + \frac{47.6}{0.48} \approx 300 + \frac{50}{0.5} = 300 + 100 = 400$	Approximations of 300 or 50 or 0.5 Correct answer	1 1
1.17 (a)	December		1
1.17 (b)	March		1

Question	Answer	Extra information	Marks
1.17 (c)	$8 - (-5) = 8 + 5 = 13\text{ }^{\circ}\text{C}$		1
1.18	$13.5 \leq L < 14.5$	13.5 or 14.5 Correct answer	1 1
1.19	$245 \leq l < 255$	245 or 255 Correct answer	1 1
1.20	$2.395\text{ m} \leq l < 2.405\text{ m}$	2 marks for correct answer (accept $239.5\text{ cm} \leq l < 240.5\text{ cm}$) or 1 mark for $2.395\text{ m} \leq l$ (accept $239.5\text{ cm} \leq l$) or 1 mark for $l < 2.405\text{ m}$ (accept $l < 240.5\text{ cm}$)	2