



GCSE Mathematics Unit 1: Foundation Tier	Mark	Comments										
9. (a) 200 (b) 0.18 (c) 3.45 (d) Correctly using common denominator. 5/8 or equivalent.	B2 B1 B1 M1 A1 6	B1 for sight of 25 or 8  M1 for 0.875 – 0.25 A1 for 0.625										
10. (a) 2 and –7 (b) $2x - 3y$	B2 B2  4	B1 for 2 Must be in an expression for B2 B1 for $2x$ or $-3y$										
11(a) $120 \text{ cm}^2$  (b) $20^\circ$  (c) $30 \text{ m}^3$	B1  B1  B1 3											
12. <table border="1" data-bbox="212 689 595 757"> <tr> <td>(+6)</td> <td>(+3)</td> <td>0</td> <td>(-3)</td> <td>(-6)</td> </tr> <tr> <td>-6</td> <td>-3</td> <td>0</td> <td>(+3)</td> <td>(+6)</td> </tr> </table> (Probability > 0) $4/10$ or equivalent.  $\frac{4}{10} \times 70$ $= 28 \text{ (people)}$	(+6)	(+3)	0	(-3)	(-6)	-6	-3	0	(+3)	(+6)	B2   B2  M1 A1 6	For 6 correct entries otherwise, B1 for the two zeros OR B1 for the (+)6 AND (+)3  F.T. their table B1 for a numerator of 4 OR a denominator of 10 in a fraction less than 1 F.T. 'their 4/10'
(+6)	(+3)	0	(-3)	(-6)								
-6	-3	0	(+3)	(+6)								
13. (a) $7x - 2x = 11 + 4$ $5x = 15$ $x = 3$  (b) $6x + 21 = 9$ OR $2x + 7 = 3$ $6x = -12$ OR $2x = -4$ $x = -2$	B1 B1 B1 B1 B1 B1 6	F.T. until 2 <sup>nd</sup> error    F.T. until 2 <sup>nd</sup> error										

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14. (a) False AND a counter example given.  (b) True AND a statement that refers to both 'one of the numbers will be even' and 'any integer multiplied an even number will result in another even number.'	E1  E2  3	Accept any equivalent intention to refer to both facts E1 for reference to one of the two facts
15. Appropriate sight of $90^{(\circ)}$ Appropriate sight of $45^{(\circ)}$ or $90/2$ $x = 135^{(\circ)}$	B1 B1 B1 3	Implies 1 <sup>st</sup> B1 F.T. only from a clearly identifiable angle <i>LNM</i>
16. 3, 6, 7, 8 OR 4, 5, 6, 9	B2  2	B1 for sum of four selected numbers = 24 OR range of four selected numbers = 5