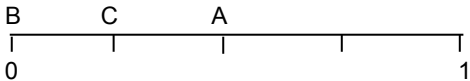
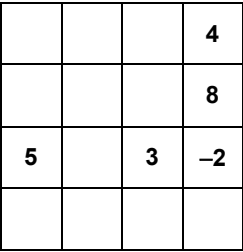
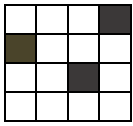



UNIT 2: CALCULATOR-ALLOWED, FOUNDATION TIER

GCSE Mathematics Unit 2: Foundation Tier	Marks	Comments
1. (Profit =) $84 \times (\pounds)5 - (\pounds)120$ $= (\pounds)300$	M1 A1 2	For correct substitution.
2. (a) Diameter (b) Tangent (c) Trapezium	B1 B1 B1 3	
3. (a)  (b) $\frac{7}{8}$	B3 B1 4	Accept names e.g. Wales (A), France (B), England (C) B1 for each. Accept C roughly between 1/8 and 3/8.
4. 	B3 3	For all five correct entries. B2 for three or four correct entries. B1 for two correct entries
5. (a) (i)  (ii)  (b) 2	B1 B1 B1 3	Only these three squares to be shaded. Only these two squares to be shaded. SC1 if reflections in <u>both</u> cases are correct but extra squares have been shaded.

GCSE Mathematics Unit 2: Foundation Tier	Marks	Comments
6.(a) Correct three-digit number shown. (i.e. sum of digits = 9) Correct answer for their three-digit number \div 9	B1 B1	The numbers should have the digits 1, 3, 5 or 2, 3, 4. F.T. their three-digit number correct to the nearest whole number or 1 or more decimal places. e.g. sight of $412 \div 9 = 45.7$ or 45.8 or 46 gains B0B1. SC1 for a correct evaluation if a three-digit multiple of 9 is used with a repeated digit. e.g. $441 \div 9 = 49$ gains SC1.
(b) Dylan is 18 Lois is 6	B2 4	B1 for 'their Dylan' = 'their Lois' + 12. B1 for 'their Dylan' = $3 \times$ 'their Lois'.
7.(a) (i) $(x=)$ 3 (ii) $(x=)$ 4 (b) $6 - 4 + 5 = 7$ (c) $(\pounds)8n$	B1 B1 M1 A1 B1 5	Sight of 6, 4 and 5. C.A.O.
8.(a) $(a =) 180 - 90 - 38$ or equivalent. $= 52^{(a)}$ (b) $(b =) 360 - 101 - 154$ or equivalent. $= 105^{(a)}$	M1 A1 M1 A1 4	
9. $\frac{10}{0.68}$ or equivalent. 14 (key rings) (Change =) $(\pounds)10 - 14 \times (\pounds)0.68$ or equivalent $= \pounds 0.48$ or 48p Organisation and communication Accuracy of writing	M1 A1 M1 A1 OC1 W1 6	Allow M1 for repeated addition if aiming for $\pounds 10$ C.A.O. $14 \cdot 7 \dots$ implies M1A0 F.T. 'their whole number of key-rings' Units must be given. Allow $\pounds 0.48p$
10. $360 - (46 + 117 + 34)$ $= 163^{(c)}$ $(x =) 17^{(c)}$	M1 A1 B1 3	F.T. $180 -$ 'their 163'.
11.(a) -9 (b) 12 (c) $3(n - 7)$	B1 B1 B1 3	
12. (Original mean =) 13 (New total =) $5 \times 14 = 70$ New number = 18	B1 M1 A1 B1 4	F.T. $5 \times$ 'their 13 + 1'. F.T. 'their <u>derived</u> new total' - 'their original total'.
13. $4 \times 4 \times 4$ $64 \text{ (cm}^3\text{)}$ $64 / (8 \times 4)$ or $32h=64$ 2 (cm)	M1 A1 M1 A1 4	<i>Alternative method:</i> 4×4 M1 $16 \text{ (cm}^2\text{)}$ A1 $16/8$ M1 2 (cm) A1

