

For Edexcel

# GCSE Mathematics

Unit 3 – Section A – (Non-Calculator)

## Foundation Tier

Paper A

Marking Guide

Method marks (M) are awarded for knowing and using a correct method.

Accuracy marks (A) are awarded for correct answers, having used a correct method.

(B) marks are independent of method marks.




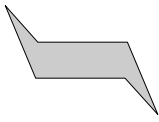
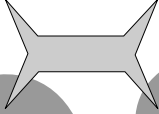
Written by Shaun Armstrong

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## Foundation Tier Unit 3 Paper A Marking Guide

### Section A

1.

	Exactly one line of symmetry	Exactly two lines of symmetry	Rotational symmetry of order 2
	✓		
			✓
		✓	✓

B4

Total 4

2.

(a)  $= 48 \div 4 = 12$

B1

(b)  $40 \div 8 = 5$   
 $3 \times 5 = 15$

M1  
A1

Total 3

3.

(a)  $\boxed{9} \times 3 = \boxed{2} \boxed{7}$

B2

(b)  $\boxed{2} \boxed{7} + 68 = \boxed{9} \boxed{5}$

M1 A1

Total 4

4.

(a)  $\frac{7}{8}$

B1

(b)  $\frac{3}{4}$

B1

(c)  $\frac{2}{3}$

B1

(d)  $\frac{1}{4}$

B1

Total 4

5.

(a)  $= 2 \times 320 = 640 \text{ g}$

M1 A1

(b)  $= \frac{4}{6} \times 30 = 20 \text{ g}$

M1 A1

Total 4

6.

(a)  $= \frac{1}{2} \times 6 \times 3 = 9 \text{ cm}^2$

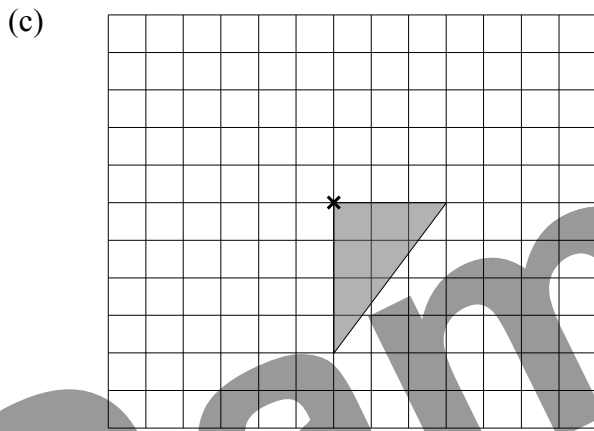
M1 A1

(b)  $= 9 \times 8 = 72 \text{ cm}^3$

M1 A1

Total 4

7. (a) **R and T** B1  
 (b) (i) **U** B1  
 (ii) **3** B1



M1 A1

Total 5

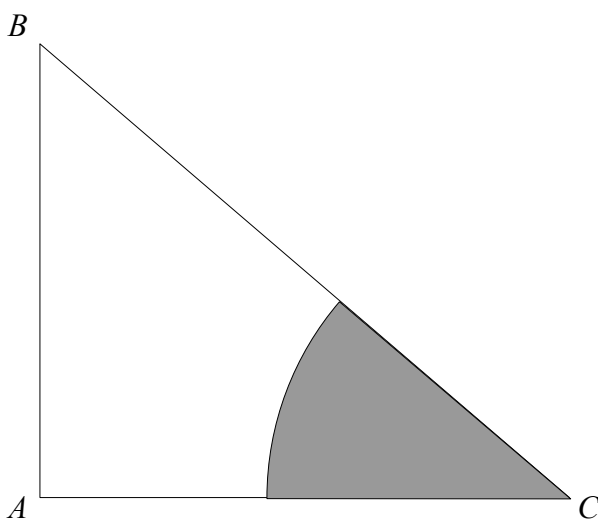
8. (a)  $= 8 \times 100 = 800$  M1 A1  
 (b) (i)  $5^6$  B1  
 (ii)  $5^7$  B1

Total 4

9. (a)  $a = 11 - 5 = 6$  B1  
 (b)  $2t = 20$  M1  
 $t = 10$  A1  
 (c)  $4p + 9 = -3$  M1  
 $4p = -12$  M1  
 $p = -3$  A1

Total 6

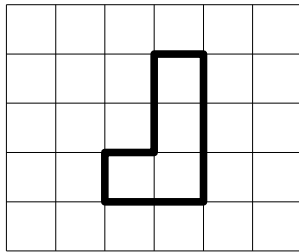
10.



M1 A1

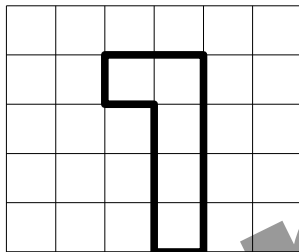
Total 2

11. (a)



B2

(b)



B2

Total 4

12. (a)  $= 15 \times 10 + 25 = 150 + 25 = \text{£}175$

M1 A1

(b)  $115 - 25 = 90$   
 $90 \div 15 = 6$  lessons

M1  
A1

Total 4

13. 10% of  $\text{£}72 = \text{£}7.20$   
10% of  $\text{£}60 = \text{£}6$ , 5% =  $\text{£}3$ , 15% =  $\text{£}9$   
extra =  $\text{£}9 - \text{£}7.20 = \text{£}1.80$

B1  
M1  
M1 A1

Total 4

14. (a)  $4^\circ\text{C}$

B1

(b)  $6^\circ\text{C}$

B1

(c)  $-4^\circ\text{C}$

B1

Total 3

15.  $-1, 0, 1, 2$

B2

Total 2

16.  $\angle ACB = \angle ABC = 34$   
 $\angle BAC = 180 - (34 + 34) = 112$   
 $x = 360 - 112 = 248^\circ$

B1  
M1  
A1

Total 3

**TOTAL FOR SECTION: 60 MARKS**