

PRACTICE PAPERS



Rewarding Learning

**General Certificate of Secondary Education
2020**

Mathematics

Unit M6 Paper 2

(With calculator)

Foundation Tier

PRACTICE

**MARK
SCHEME**

1	(a) B	A1
	(b) D	A1
2	$800 \div 50 = 16 \text{ cm}$	MA1
	$600 \div 50 = 12 \text{ cm}$	MA1
3	$120 \times 0.30 = 36$	
	$120 - 36 = 84$	MA1
	$84 \div 7 \times 3 = 36$	MA1
	$84 \div 7 \times 4 = 48$	MA1
4	Scale factor 3	A1
	$3^2 = 9$	A1
5	$5 \text{ kg} = 5 \times 2.2 = 11 \text{ lb}$	M1A1
	$20 \times 4 = 80$	MA1
	$25 \times 7 = 175$	MA1
	$80 + 175 = 255 \text{ minutes}$	A1

- 6** $0.20 \times 85 = 17$
 $85 - 17 = 68$ MA1
 $0.25 \times 70 = 17.50$
 $70 - 17.50 = 52.50$ MA1
100 ml = £68
1 ml = £0.68
80 ml = 52.50
1 ml = £0.65625 MA1
80 ml is better value A1

- 7** rotation A1
 90° anticlockwise A1
about (2, 5) A1

- 8** (a) line drawn correctly A2
(b) line drawn correctly A2
(c) (3, 2) A1

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(a)

	1	2	3	4	5	6
1	1	2	3	4	5	6
2	2	4	6	8	10	12
3	3	6	9	12	15	18
4	4	8	12	16	20	24

A2

(b) multiple of 3 = $\frac{12}{24}$

multiple of 4 = $\frac{11}{24}$

Yes he is right

A2

10	$p = 8x$	A1
	$x = \frac{P}{8}$	A1
11	(a) 135°	A1
	(b) 045°	A1
	(c) 270°	A1
12	(a) 2 , 7 , 12 , 17	A2
	(b) 12 , 17 , 22 , 27	
	$5n + 7$	MA2
13	(a) correct reflection	A2
	(b) correct rotation	A2
14	sum of interior angles = $4 \times 180^\circ = 720^\circ$	MA2
	evidence of 90° , 115° , 127°	A1
	$720^\circ - 562^\circ = 158^\circ$	MA1
15	$\frac{4}{12}$	MA1
	$\frac{4}{12}$ of 150 = 50	M1A1