EXAMINATION COUNCIL OF ESWATINI
Eswatini Primary Certificate

Mathematics **212/02**

PAPER 2 **2020**

Confidential

MARK SCHEME

{212/02}

MARKS: 100

This document consists of **6** printed pages

QUESTION	ANSWER	MARKS	COMMENTS
1	(a) 25 314.06 (b) $\begin{array}{r} 37 \\ 4\overline{)150} \\ 12 \\ \hline 30 \\ 28 \\ \hline 2 \end{array}$ = 37 rings	**B1** **M1** **A2** **[4]**	Award **A1** if only one digit is wrong Award **A1** for 37 rem 2 given as final answer
2	**(a)** (i) 0.318 < 0.4 (ii) 2 weeks > 12 days (iii) $\frac{3}{5}\text{km} = 600\,\text{m}$ **(b)** 7(8 + 5)	**B1** **B1** **B1** **B1B1** **[5]**	
3	**(a)** Hexagon **(b)** 24 cm **(c)** 25 cm^2	**B1** **B2** **B2** **[5]**	 24 **B1** cm **B1** 25 **B1** cm^2 **B1**
4	**(a)** 30 bags cost E2 700 1 bag cost $\frac{2700}{30} = \text{E}90$ 13 bags cost 13×90 = E1 170	 **M2** *oe* **A1**	 **M1 for** $\frac{2700}{90}$

QUESTION	ANSWER	MARKS	COMMENTS
	(b) 23 68 | 1 598 1 36 **M1** 238 204 **M1** 34 Remainder = 34	**A1** **[6]**	**M1** for 238 seen
5	**(a)** All arcs correct 60° ± 1° drawn correctly G marked correctly **(b)** Bisector drawn with arcs	**B1** **B1** **B1** **B2** **[5]**	 Bisector drawn without arcs **B1**
6	**(a)** Maintenance **(b)** 2 900 12 | 34 800 24 **M1** 108 108 **M1** .. (E) 2 900 **(c)** 52 000 + 20 400 72 400 . **(d)** $\frac{5}{100} \times$ E28 000 = E1 400	**B1** **oe** **A1** **M1** **A1** **M1***oe* **A1** √ **M1**	

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	= E28 000 + E1 400 = E 29 400	**A1** **[10]**	
7	**(a)** $\frac{3}{4} \times 8$ litres = $\frac{24}{4}$ = 6(litres) **(b) (i)** 6 **(ii)** 6	**M1** **M1** **A1** **B1** **B1** **[5]**	
8	**(a)** MN **(b)** Diameter = 2 × 5 cm = 10 cm Circumference ≈ 3 × 10 = 30 cm **(c)** (i) MPN (ii) MOQ/NOQ (iii) MPQN	**B1** **M1 or equiv** **A1** √**M1** **A1** **B1** **B1** **B1** **[8]**	Accept 5 cm + 5 cm
9	**(a)** 79. 45 + 119. 76 . 269. 21 **(b)** 3.5 m = 350 cm *oe* 350 cm ÷ 25 cm = 14	**M1** **A2** **B1** **M1** **A1** **[6]**	Award **A1 if** 1 digit wrong For dividing by 25 cm *oe*
10	**(a)** Number of black squares = 5 Number of white squares = 20	**B1** **B1**	

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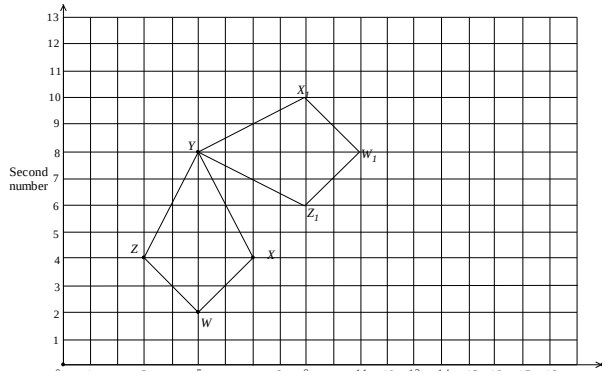
	(b) 7×8 $= 56$ **(c)** Position times (position plus one)/ position times number black squares	**M1** **A1** **B2** **[6]**	Or equiv mtd
11	**(a)** $2\frac{1}{5} \times 10\,000$ $= 22\,000\,m^2$ **(b)** $4\,300 \times 10$ $= E43\,000$ **(c)** $43\,000 - 28\,000$ $= E\,15\,000$ $(15\,000 \div 28\,000) \times 100\%$ $= 53.6\%$ or $53\frac{4}{7}\%$	**M1** **A1** **M1** **A1** **√M1** **A1** **M1** **A1** **[8]**	Accept 54%
12	**(a)** 4 hours 36 minutes 43 minutes + 1 hour 28 minutes . 6 hours 47 minutes **(b)** 12.15 - 4 . 36 . 7. 39 am	**M1** **A2** **M1** **A2** **[6]**	**A1** for 5 hours 107 minutes **A1** for11.75 seen
13	**(a)** 82×29 $= 2\,378$ **(b)** $2\,378 - 3$ $2\,375 \div 5$ $= 475$ packets	**M1** **A1** **√M1** **M1** **A1** **[5]**	

QUESTION	ANSWER	MARKS	COMMENTS
14	**(a)** 12 500 + 18 700 . 31 200 (31 200) ÷ 12 = (E) 2 600	**M1** **A1** **M1** **A1** **[4]**	For finding the sum For dividing by 12
15	**(a)** Plotting all three points correctly **(b)** Joining all points correctly  **(c)** Plotting Z correctly **(d)** XWZ **(e)** See coordinate diagram.	**B3** **B1** **B2** **B1** **B3** **[10]**	
16	**(a)** 12 + 24 + 8 + 16 = 60 **(b)** Being faithful **(c)** $\frac{24}{60}\times 100$ = 40 % $\frac{4}{15}$	**M1** **A1** **B1** **M1** **A1** **B2** **[7]**	Award **B1** for $\frac{16}{60}$