



EXAMINATIONS COUNCIL OF ESWATINI
Eswatini Primary Certificate

CONFIDENTIAL
November 2019

MARK SCHEME

MATHS PAPER 2

MAXIMUM MARK

[100]

This document consists of **6** printed pages.

QUESTION	ANSWER	MARKS
1	$\begin{array}{r} 150\,000 \\ - 78\,012 \\ \hline 71\,988 \end{array}$	<p>1</p> <p>2</p> <p style="text-align: right;">[3]</p>
2	<p>(a) $\frac{2}{3} - \frac{2}{3}$</p> <p style="padding-left: 40px;">$= \frac{10-6}{15}$</p> <p style="padding-left: 40px;">$= \frac{4}{15}$</p> <p>(b) $\frac{3}{7} \times \frac{1}{3} = \frac{1}{7}$</p>	<p>2</p> <p>1</p> <p>2</p> <p style="text-align: right;">[5]</p>
3	<p>(a) $\frac{40}{100} \times 120$</p> <p style="padding-left: 40px;">$= 48$ cows</p> <p>(b) $\frac{30}{100} \times 12\,500$</p> <p style="padding-left: 40px;">$= (E) 3\,750$</p> <p style="padding-left: 40px;">$12\,500 + 3\,750$</p> <p style="padding-left: 40px;">$= (E) 16\,250$</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p style="text-align: right;">[6]</p>
4	<p>(a) $\frac{1}{3} = 10$ pencils</p> <p style="padding-left: 40px;">$\frac{3}{3} = 3 \times 10$</p> <p style="padding-left: 40px;">30 pencils</p> <p>(b) They would take medication together after 8 hours</p> <p style="padding-left: 40px;">6.00 am + 8.00</p> <p style="padding-left: 40px;">$= 2.00$ pm or 1400 hours</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p style="text-align: right;">[6]</p>
5		

	<p>(a) Line $AB = 6 \text{ cm} \pm 0.2 \text{ cm}$.</p> <p>(b) Circle drawn correctly with A as a centre</p> <p>(c) Angle $BAC = 80^\circ \pm 1^\circ$ drawn correctly.</p> <p>(d) Angle $ABD = 70^\circ \pm 1^\circ$ $BD = 3.5 \text{ cm} \pm 0.2 \text{ cm}$ labelled correctly</p> <p>(e) Joining C to D forming quadrilateral $BACD$</p> <p>(f) Kite</p> <p>(g) $CD = 3.5 \text{ cm} \pm 0.2 \text{ cm}$.</p>	<p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	[11]
6	<p>(a) Charging cellphones</p> <p>(b) $\begin{array}{r} 4\ 500 \\ 244 \\ +1\ 075 \\ \hline 5\ 819 \end{array}$</p> <p>(c) $\begin{array}{l} \frac{3}{5} \times 4\ 500 \\ = \frac{13\ 500}{5} \\ = 2\ 700 \end{array}$</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	[6]
7	$\begin{array}{l} 3440 \div 2 \\ = 1720 \end{array}$	<p>1</p> <p>1</p>	[2]
8	<p>(a) $60 + 2 \times 40 = 140 \text{ m}$</p> <p>(b) $140 \times 99 = \text{E}13\ 860$</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	[4]
9	<p>(a) (i) 1 hours 40 minutes</p> <p>(ii) $\begin{array}{r} 2.17 \\ + 1.40 \\ \hline \end{array}$</p>	<p>2</p> <p>1</p>	

	$\underline{\quad} 3.57 \text{ pm}$ (b) (i) 14×5 $= 70 \text{ (hours)}$ (ii) $24450 \div 70$ $= \text{(E) } 35$	1 1 1 1 1	[8]
10	(a) 6×800 $= 4\,800$ $4\,800 + 300$ $= \text{E}5\,100$ (b) $9\,900 - 300$ $= 9\,600 \div 800$ $= 12 \text{ days}$ (c) Number of days multiply by 800 then add E300	1 1 1 1 1 2	[8]
11	(a) $15 \text{ kg} = 15 \times 1\,000$ $= 15\,000 \text{ g}$ (b) $15\,000 \div 75$ $= 200 \text{ packets}$ (c) 95×200 $= \text{E}19\,000$ (d) $19\,000 - 1\,200$ $= \text{E}7\,000$	1 1 1 1 1 1 1	[8]
12	(a) $\frac{25}{100} \times 24$ $= 6 \text{ hours}$ (b) $\frac{40}{100} \times 360^\circ$ $= 144^\circ$	1 1 1 1	[4]
13	(a) $36 + 7$ $= 43$ (b) $22 + 29 + 36$	1 1 1	

	$= 87$ (c) $\begin{array}{r} 87 \\ \times 173 \\ \hline 261 \\ 6090 \\ + 8700 \\ \hline 15051 \end{array}$ $= 1505.1$ litres	1 1 1 1	[7]																		
14	(a) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Value of note</th> <th>No. of notes</th> <th>Amount (E)</th> </tr> </thead> <tbody> <tr> <td>E10</td> <td>5</td> <td>50</td> </tr> <tr> <td>E20</td> <td>8</td> <td>160</td> </tr> <tr> <td>E50</td> <td>6</td> <td>300</td> </tr> <tr> <td>E100</td> <td>13</td> <td>1 300</td> </tr> <tr> <td>E200</td> <td>7</td> <td>1 400</td> </tr> </tbody> </table> (b) $50 + 160 + 300 + 1\,300 + 1\,400$ $= \text{E } 3\,210$ (c) $\text{E } 3\,210 \div 30$ $= \text{E } 107$	Value of note	No. of notes	Amount (E)	E10	5	50	E20	8	160	E50	6	300	E100	13	1 300	E200	7	1 400	4 1 1 1 1	[8]
Value of note	No. of notes	Amount (E)																			
E10	5	50																			
E20	8	160																			
E50	6	300																			
E100	13	1 300																			
E200	7	1 400																			
15	(a) AB (b) AB and PQ (c) $180^\circ - 107^\circ$ $= 73^\circ$	1 1 1 1	[4]																		
16	(a) Trapezium (b) (i) 8 right 1 up (ii) $A_1(11,2)$ $B_1(18,2)$ $C_1(16,6)$ $D_1(13,6)$. (iii) $C_1(16,6)$ (c) $A_2(3,9)$ $B_2(10,9)$ $C_2(8,5)$, $D_2(5,5)$	1 2 3 1 3	[10]																		

