



EXAMINATIONS COUNCIL OF SWAZILAND  
Swaziland Primary Certificate Examination

**CONFIDENTIAL**  
**November 2018**

# **MARK SCHEME**

## **MATHEMATICS PAPER 2**

**MAXIMUM MARK**

# **[100]**

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This document consists of 7 printed pages.

QUESTION	ANSWER	MARKS	
1	(a) 3 000 or one thousand	1	[5]
	(b) 41 000	1	
	(c) $\begin{array}{r} 824521 \\ - 6987 \\ \hline 817534 \end{array}$	1	
		2	
2	(a) Triangular prism	1	[2]
	(b) 5 faces	1	
3	(a) $\begin{array}{r} 3425 \\ \times 63 \\ \hline 10275 \\ 205500 \\ \hline 215775 \end{array}$	1	[8]
		1	
		1	
	(b) $\begin{aligned} 8(6+9) \\ = 8(15) \\ = 120 \end{aligned}$	1	
		1	
	(c) $\begin{array}{r} 207 \\ 31 \overline{) 6417} \\ \underline{-62} \\ .217 \\ \underline{217} \\ 0 \end{array}$	1	
	1		
4	(a) $8 + 10 + 12 = 30$	1	
	(b) $\frac{12}{30} \times 100\%$	1	
	$= 40\%$	1	

QUESTION	ANSWER	MARKS	
	(c) $\frac{8}{30} \times 360^\circ$ $= 96^\circ$	1 1	[5]
5	$94 \times 3$ $= 282$ $300 - 282$ $= E 18$	1 1 1 1	[4]
6	23000 $23\ 000 \times 2$ $46\ 000 \times 2$ $= 92\ 000$	1 1 1	[3]
7	(a) $\frac{18-2}{7-3}$ $= \frac{16}{4}$ $= 4$  (b) $7 \times 24$ $= 168$ hours	1 1 1 1	[4]
8	(a) $1 - \frac{5}{8}$ $= \frac{3}{8}$  (b) $\frac{5}{8} \times 40$ $= \frac{200}{8}$ $= 25$	1 1 1 1 1	[5]

QUESTION	ANSWER	MARKS	
9	<p>(a) <math>GH = 7 \text{ cm} \pm 0.2 \text{ cm}</math>  <math>GI = 8 \pm 0.2 \text{ cm}</math>  <math>GHI = 95^\circ \pm 1^\circ</math>  Triangle drawn</p> <p>(b) Angle <math>HGI = 35^\circ \pm 1^\circ</math></p> <p>(c) Bisector drawn accurately with arcs</p> <p>(d) X labelled correctly</p> <p>(e) Y labelled correctly</p> <p>(f) <math>180^\circ - (90^\circ + 35^\circ)</math>  <math>= 180^\circ - 125^\circ</math>  <math>= 55^\circ</math></p>	<p>1 1 2 1</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1 1 1</p>	[13]
10	<p>(a) 22 minutes past 11</p> <p>(b) 2027 hours</p> <p>(c) (i) 9. 15  <math>\begin{array}{r} - 23 \\ \hline 8. 52 \text{ am} \end{array}</math></p> <p>(ii) 1306  <math>\begin{array}{r} - 0915 \\ \hline 3 \text{ hours } 51 \text{ minutes} \end{array}</math></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1 2</p>	[7]
11	<p>(a) 8  <math>\begin{array}{r} - 7. 6 \\ \hline 0. 4 \end{array}</math></p> <p>(b) <math>30 \text{ m} \times 80 \text{ m}</math>  <math>= 2400 \text{ m}^2</math></p>	<p>1</p> <p>1</p> <p>1 2</p>	[5]

QUESTION	ANSWER	MARKS	
12	<p>(a) (i) 17 steps</p> <p>(ii) 10<sup>th</sup> day</p> <p>(iii) <math>3n - 1</math> or 3 times day number minus 1</p> <p>(b) <math>144 - 69</math> = 75 kg</p>	<p>1</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>[7]</p>	
13	<p>(a) <math>(15 \times 17) + (312 \times 21)</math></p> <p>(b) (i) <math>312 \times 21</math> = 6 552</p> <p>(ii) <math>6\,552 \div 15</math> = 436</p>	<p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>[6]</p>	
14	<p>(a) <math>2\,720</math> <u>+ 847</u> <u>3 567</u></p> <p>(b) <math>3\,567 \times 5</math> = 17 985</p> <p><math>372\,492</math> <u>- 17985</u> <u>354 507</u></p> <p>(c) <math>\frac{40}{100} \times 2\,750</math></p> <p>1 100 l</p>	<p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>[9]</p>	
15	<p>(b) (i) 350</p> <p>(ii) Tuesday and Wednesday</p>	<p>1</p> <p>1</p>	

QUESTION	ANSWER	MARKS	
	<p>(iii) <math>\frac{250}{600} = \frac{5}{12}</math></p> <p>(c) (i) (E)60</p> <p>(ii) (E)55</p> <p>(iii) (E)55</p>	<p>2</p> <p>1</p> <p>1</p> <p>2</p>	<p>[8]</p>
<p>16</p>	<p>(a) Pentagon 1</p> <p>(b) 4 square units 2</p> <p>(c) 3</p> <div data-bbox="379 869 1018 1310" data-label="Figure"> </div> <p>(d) A reflection 1</p> <p>(e) 2</p>		<p>[9]</p>