

**GRADE 6 MATHS PAPER 2
MID YEAR EXAMINATION
2015 ANSWERS**

SECTION A [25 MARKS]

<p>1. (a) $65,734 = 5\text{Units}$ (1) (b) $617 = \text{DCXVII}$ (1)</p>	[2]
<p>2. $X+72 = 152$ (2) $X = 80$</p>	[2]
<p>3. (a) $5,74 = 5,70$ (1) (b) $410,05$ (1)</p>	[2]
<p>4. (a) $10 - 15 + 7$ $17 - 15$ (1) $= 2$ (1)</p> <p>(b) $3\frac{7}{8} = 3\frac{1}{8}$ (2)</p>	[2] [2]
<p>5. (a) $3\text{hrs } 15\text{ mins}$ (2) (b) 2100hrs (1)</p>	[3]
<p>6. $317 \div 5$ (1) $= 63 \text{ r } 2$ (1)</p>	[2]
<p>7. $\frac{25}{8} \times \frac{16}{5} = 10$ (2) (b) 5812 $\begin{array}{r} -1737 \\ \hline 4075 \end{array}$ (1)</p>	[3]
<p>8. 279cm in metres = $2,79\text{m}$ (2) $4\text{g} = 0,004\text{kg}$ (2)</p>	[4]
<p>9. (a) 7 take away $6,85$ $7,00$ $\begin{array}{r} -6,85 \\ \hline 0,15 \end{array}$ (1) $\underline{0,15}$ (1)</p> <p>(b) $972 \div 12 = 81$ (1)</p>	[3]

10. 391 $\begin{array}{r} \times 44 \\ 15640 \\ + 1564 \quad (1) \\ \hline 17204 \quad (1) \end{array}$	[2]
---	-----

SECTION B

11. (a) $\frac{10}{100} \times 80\,000 = 8\,000$ discount (3) (b) 80 000 $\begin{array}{r} - 8\,000 \\ \hline 72\,000 \text{ after discount} \end{array}$ (2)	[5]
12. (a) Angle T = $180^\circ - 176^\circ = 4^\circ$ (2) (b) Three right angles = 270° (2) (c) Angle less than 180° is an Acute angle (1)	[5]
13. (a) $45\text{m} + 40,5\text{m} + 60\text{m} = 145,5\text{m}$ (2) Area is $\frac{1}{2} \text{ base} \times \text{height} = 30 \times 20 = 60\text{m}^2$ (3)	[5]
14. (a) $0,3 = \frac{3}{10}$ $\frac{3}{10}$ of 2 000 = 600 packets (1) (b) $\frac{1}{2}$ of 2 000 = 1 000 packets (1) (c) $1000 + 600 = 1600$ (1) $2\,000 - 1\,600 = 400$ packets (2)	[5]
15. (a) Text books (1) (b) prizes = $\frac{1}{8} = \frac{3}{24}$ stationery = $\frac{5}{24}$ $\frac{5}{24} - \frac{3}{24} = \frac{2}{24}$ (2) (c) $\frac{7}{24} = 0,29$ (2)	[5]