

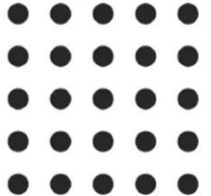


**TOM NEWBY SCHOOL**  
**GRADE 5**  
**JUNE 2022**



**MEMORANDUM**

QUESTION		ANSWER	MARK ALLOCATION	LEVEL
<b>1</b> <b>Multiple Choice</b> <b>(10)</b>	1.1	B ✓ 38 094	1	1
	1.2	A ✓ $75 - 19 = 19 - 75$	1	
	1.3	D ✓ three hundred and sixty	1	
	1.4	C ✓ 3 681 ; 3 683 ; 3 685 ; 3 687	1	
	1.5	A ✓ 14 770	1	
	1.6	D ✓ 91 000	1	
	1.7	B ✓ 11	1	
	1.8	C ✓ 69 800	1	
	1.9	A ✓ 72	1	
	1.10	C ✓ 64	1	
<b>2</b> <b>Basic Operations</b> <b>(12)</b>	2.1	$\begin{array}{r} 45\ 678 \\ +29\ 845 \\ \hline 75\ 523 \\ \checkmark \quad \checkmark \end{array}$	2	2
	2.2	$\begin{array}{r} 81\ 005 \\ -49\ 327 \\ \hline 31\ 678 \\ \checkmark \quad \checkmark \end{array}$	2	2
	2.3	$\begin{array}{r} 263 \\ \times 47 \\ \hline 1\ 841 \checkmark \\ +10\ 520 \checkmark \\ \hline 12\ 361 \checkmark \end{array}$	3	3
	2.4	$\begin{array}{r} 6 \overline{)416} \\ \underline{69} \text{ rem } 2 \checkmark \\ \text{Test : } (69 \times 6) + 2 = 414 + 2 \checkmark \\ \quad \quad \quad = 416 \checkmark \end{array}$	3	2
	2.5	$\begin{array}{r} 42 \checkmark \\ 15 \overline{)630} \\ \underline{-60} \downarrow \\ 30 \checkmark \\ \underline{-30} \\ 00 \end{array}$	2	3
<b>3</b> <b>Numeric Patterns</b> <b>(10)</b>	3.1	a) 159 ; 155 ; 151 ; <u>147</u> ; <u>143</u> ; <u>139</u> ✓ b) 64 759; 66 759; 68 759; <u>70 759</u> ; <u>72 759</u> ; <u>74 759</u> ✓	1 1 1	2
	3.2	c) 1 600 ; 800 ; 400 ; <u>200</u> ; <u>100</u> ; <u>50</u> ✓	1	

	3.3	a) Rule : $\div 2$ ✓ b) Input : 56 ✓	1	2														
	3.4	a) Number of wheels: 64 ✓ b) Number of cars: 25 ✓ <table border="1" style="margin-left: 40px;"><tr><td></td><td>21</td><td>56</td><td>14</td><td>70</td><td>84</td><td>630</td></tr><tr><td><math>\div 7</math></td><td>3</td><td>8 ✓</td><td>2</td><td>10</td><td>12 ✓</td><td>90 ✓</td></tr></table>		21	56	14	70	84	630	$\div 7$	3	8 ✓	2	10	12 ✓	90 ✓	1 1 3	2 2
	21	56	14	70	84	630												
$\div 7$	3	8 ✓	2	10	12 ✓	90 ✓												
<b>4 Geometric Patterns (9)</b>	4.1	a) For every pattern : + 2 matches ✓ b) <table border="1" style="margin-left: 40px;"><tr><td>Pattern number</td><td>1</td><td>2</td><td>3</td><td>4</td><td>10</td><td>15</td></tr><tr><td>Number of matches</td><td>3</td><td>5</td><td>7 ✓</td><td>9 ✓</td><td>21 ✓</td><td>31 ✓</td></tr></table>	Pattern number	1	2	3	4	10	15	Number of matches	3	5	7 ✓	9 ✓	21 ✓	31 ✓	1 4	2
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Number of matches	3	5	7 ✓	9 ✓	21 ✓	31 ✓												
4.2	a)  b) <table border="1" style="margin-left: 40px;"><tr><td>Pattern number</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>12</td></tr><tr><td>Number of dots</td><td>1</td><td>4</td><td>9</td><td>16 ✓</td><td>25 ✓</td><td>144 ✓</td></tr></table>	Pattern number	1	2	3	4	5	12	Number of dots	1	4	9	16 ✓	25 ✓	144 ✓	1 3	2	
Pattern number	1	2	3	4	5	12												
Number of dots	1	4	9	16 ✓	25 ✓	144 ✓												
<b>5 Problem Solving (9)</b>	5.1	$69 \times 24 =$ <input type="text"/> ✓ $\begin{array}{r} 69 \\ \times 24 \\ \hline 276 \\ + 1380 \\ \hline 1656 \end{array}$ 1656 hours in 69 days ✓	3	3														
	5.2	$480 \div 8 =$ <input type="text"/> ✓ $8 \overline{) 480}$ 60 ✓ children travelled in each bus	2	2														
	5.3	a) $2\,025 + 1\,750 =$ <input type="text"/> ✓	2	3														

		$\begin{array}{r} 2\ 025 \\ + 1\ 750 \\ \hline 3\ 775 \end{array}$ <p>3 775 m ✓ is the total distance</p> <p>b) <math>2\ 025 - 1\ 750 = \square</math> ✓</p> $\begin{array}{r} 2\ 025 \\ - 1\ 750 \\ \hline 275 \end{array}$ <p>275m ✓ Lindiwe walks 275 m further.</p>	2	3
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TOTAL : 50

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