



MARKS: 60

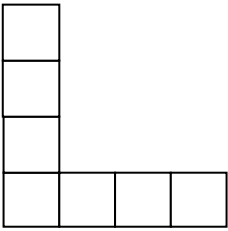
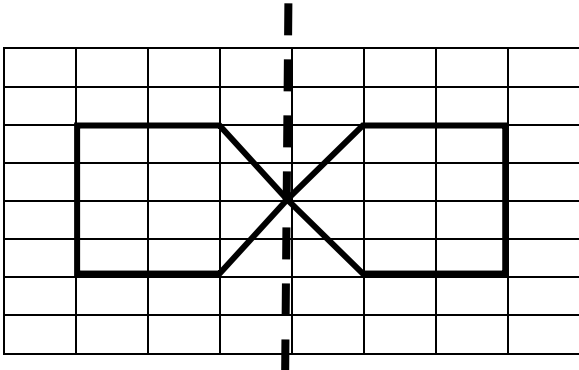
This memorandum consists of 4 pages

Important information:

1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct solution that is not included in the memorandum.
3. CA refers to consistent accuracy. See clarification in question 7.1

Question	Expected Answer	Clarification	Mark	Total
1.	1.1 D ✓		1	9
	1.2 B ✓		1	
	1.3 C ✓		1	
	1.4 B ✓		1	
	1.5 D ✓		1	
	1.6 A ✓		1	
	1.7 C ✓		1	
	1.8 D ✓		1	
	1.9 B ✓		1	
2.	998 ✓ ; 996 ✓	1 mark for each	2	2
3.	38 ✓		1	1
4.	19 ✓	1 mark $1 \times 3 + 1 = 4$ $2 \times 3 + 1 = 7$ $3 \times 3 + 1 = 10$ $4 \times 3 + 1 = 13$ $5 \times 3 + 1 = 16$ $6 \times 3 + 1 = 19$	1	1
5.	$\frac{20}{25} = \frac{4}{5}$ ✓		1	1
6.	6.1 $\begin{array}{r} 84\ 509 \\ +33\ 095 \\ \hline 117\ 604 \\ \checkmark \quad \checkmark \end{array}$ or $84\ 509 = 80\ 000 + 4\ 000 + 500 + 00 + 9$ $+33\ 095 = 30\ 000 + 3\ 000 + 000 + 90 + 5$ ✓ $\text{Sum} = 110\ 000 + 7\ 000 + 500 + 90 + 14$ $= 117\ 604$ ✓ or $80\ 000 + 4\ 000 + 500 + 9 + 30\ 000 + 3\ 000 + 90 + 5$ ✓ $= 80\ 000 + 30\ 000 + 4\ 000 + 3\ 000 + 500 + 90 + 9 + 5$ $= 110\ 000 + 7\ 000 + 500 + 90 + 14$ $= 117\ 604$ ✓	117 604: 2 marks 604: 1 mark 117: 1 mark Apply CA	2	
				Example of CA:
				$\begin{array}{r} 84\ 509 \\ +33\ 095 \\ \hline 127\ 604 \\ \times \quad \checkmark \end{array}$

6.2	$\begin{array}{r} 96\ 974 \\ - 5\ 381 \\ \hline 91\ 593 \\ \checkmark \quad \checkmark \end{array}$ <p>or</p> $96\ 974 = 90\ 000 + 6\ 000 + 800 + 170 + 4$ $- 5\ 381 = 00\ 000 + 5\ 000 + 300 + 80 + 1 \checkmark$ $\text{Sum} = 90\ 000 + 1\ 000 + 500 + 90 + 3$ $= 91\ 593 \checkmark$ <p>or</p> $96974 - 5000 \rightarrow 91974 - 300 \rightarrow 91674 - 80$ $\rightarrow 91594 - 1 \rightarrow 91593 \checkmark \checkmark$	91 593 : 2 marks 593 : 1 mark 91 : 1 mark Apply CA	2	
6.3	$\begin{array}{r} 547 \\ \times 42 \\ \hline 1\ 094 \checkmark \\ + 21\ 880 \checkmark \\ \hline 22\ 974 \checkmark \end{array}$ <p>or</p> $547 \times 42 = (547 \times 40) + (547 \times 2) \checkmark$ $= 21\ 880 + 1\ 094 \checkmark$ $= 22\ 974 \checkmark$ <p>or</p> $547 \times 42 = 547 \times 6 \times 7 \checkmark$ $= 3\ 282 \times 7 \checkmark$ $= 22\ 974 \checkmark$ <p>or</p> $547 \times 42 = 547 \times 7 \times 6 \checkmark$ $= 3\ 829 \times 6 \checkmark$ $= 22\ 974 \checkmark$	A mark for each correct step. Answer only: 3 marks. Apply CA	3	
6.4	$774 \div 6 \div 3 \checkmark$ $= 129 \div 3 \checkmark$ $= 43 \checkmark$ <p>or</p> $774 \div 3 \div 6 \checkmark$ $= 258 \div 6 \checkmark$ $= 43 \checkmark$ <p>or</p> $\begin{array}{r} 4\ 3 \checkmark \\ 18 \overline{) 774} \\ \underline{72} \\ 54 \\ \underline{54} \\ 0 \end{array}$ <p style="margin-left: 100px;">$\checkmark - 4 \times 18$</p> <p style="margin-left: 100px;">$- 3 \times 18$</p>	Correct quotient: 1 mark. Correct calculations: 2 marks. Answer only: 3 marks. Apply CA	3	
6.5	$5\frac{2}{7} + 3\frac{5}{7}$ $= 5 + 3 + \frac{2}{7} + \frac{5}{7}$ $= 8 + \frac{7}{7} \checkmark$ $= 9 \checkmark$	Whole number: 1 mark Common fraction: 1 mark Answer only: 2 marks	2	
6.6	$6 - 4 - \frac{3}{4}$ $= 2 - \frac{3}{4} \checkmark$ $= 1\frac{1}{4} \checkmark$	Whole number: 1 mark Common fraction: 1 mark Answer only: 2 marks	2	14

7.		$4d\ 10h + 7d\ 16h = 11d\ 26h\checkmark$ $= 12d\ 2h\checkmark$ $= 1w\ 5d\ 2h\checkmark$	Answer only: 3 marks	3	3
8.				1	1
9.		Number of $km = 5 \times 2 \times 8\checkmark$ $= 80\checkmark$ or Distance $= 8 \times 5 \times 2\checkmark$ $= 80\ km\checkmark$	Answer only: 2 marks	2	2
10.	10.1	Amount $= 10 \times R4\ 750\checkmark$ $= R47\ 500\checkmark$	Correct operation: 1 mark Correct calculation: 1 mark Answer only: 2 marks	1 1	4
	10.2	Amount $= R47\ 500 \div 2\checkmark$ $= R23\ 750\checkmark$ or Amount $= R4\ 750 \times 5\checkmark$ $= R23\ 750\checkmark$	Correct operation: 1 mark Correct calculation: 1 mark Answer only: 2 marks	1 1	
11	11.1.	2 063 \checkmark		1	2
	11.2	3,5 or $3\frac{1}{2}\checkmark$		1	
12.	12.1	56 \checkmark		1	2
	12.2.	100 \checkmark		1	
13.		Triangles and Rectangles $\checkmark\checkmark$ 5 faces \checkmark		1 1 1	3
14.			Correct shape: 1 mark Correct size: 1 mark	2	2
15.	15.1	is greater than \checkmark		1	2
	15.2	is smaller than \checkmark		1	

16.	16.1	6°C ✓		1	3																		
	16.2	Difference = 24°C - 6°C ✓ = 18°C ✓		1 1																			
17.	<table border="1"> <thead> <tr> <th>Shoe sizes</th> <th>Tally</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>///</td> <td>3</td> </tr> <tr> <td>3</td> <td>/// /// // ✓</td> <td>12</td> </tr> <tr> <td>4</td> <td>/// //</td> <td>7</td> </tr> <tr> <td>5</td> <td>///</td> <td>3 ✓</td> </tr> <tr> <td>6</td> <td>/ ✓</td> <td>1</td> </tr> </tbody> </table>		Shoe sizes	Tally	Frequency	2	///	3	3	/// /// // ✓	12	4	/// //	7	5	///	3 ✓	6	/ ✓	1		1 1 1	6
	Shoe sizes	Tally	Frequency																				
	2	///	3																				
	3	/// /// // ✓	12																				
	4	/// //	7																				
5	///	3 ✓																					
6	/ ✓	1																					
17.1	Size 3 ✓	3 : 1 mark	1																				
17.2	3 learners ✓	3 : 1 mark	1																				
17.3	Difference = 7 - 1 = 6 ✓	6 : 1 mark	1																				
18.	For 15 stars: 1 rocket made 3 stars and ✓ 3 rockets made 4 stars, ✓		1 1	2																			
TOTAL				60																			