



**GAUTENG PROVINCE**  
EDUCATION  
REPUBLIC OF SOUTH AFRICA

**PROVINCIAL EXAMINATION**  
**NOVEMBER 2022**  
**GRADE 6**  
**MARKING GUIDELINES**

**MATHEMATICS**

5 pages

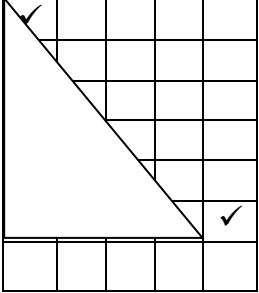
**General marking notes:**




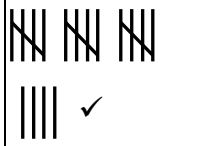

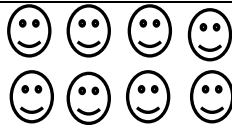
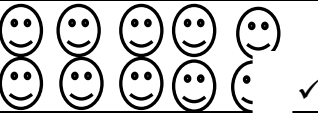
1. Award full marks for answers only, unless otherwise stated.
2. Accept any correct alternative solution that is not included in the memorandum.
3. CA refers to consistent accuracy.

QUESTION	EXPECTED ANSWER	CLARIFICATION	MARK	TOTAL
1.	1.1	A✓	1	<b>[15]</b>
	1.2	B✓	1	
	1.3	C✓	1	
	1.4	A✓	1	
	1.5	B✓	1	
	1.6	D✓	1	
	1.7	A✓	1	
	1.8	D✓	1	
	1.9	B✓	1	
	1.10	C✓	1	
	1.11	A✓	1	
	1.12	D✓	1	
	1.13	C✓	1	
	1.14	B✓	1	
	1.15	D✓	1	

2.	2.1	$\begin{array}{r} 65\ 450\ \text{m}\ell \\ +\ 9\ 440\ \text{m}\ell \\ \hline 74\ 890\ \text{m}\ell \checkmark = 74,89\ \ell \checkmark \end{array}$	<p>Correct answer: 2 marks</p> <p>Add measurements: 1 mark</p> <p>Convert answer to litres: 1 mark</p> <p>Apply CA</p> <p>Accept any other correct alternative method.</p>	2	
	2.2	$\begin{array}{r} 56\ 250\ \text{m}\ell \\ -\ 3\ 750\ \text{m}\ell \\ \hline 52\ 500\ \text{m}\ell \checkmark \checkmark \end{array}$	<p>Correct answer: 2 marks</p> <p>Performing a subtraction sum: 1 mark</p> <p>Answer: 1 mark</p> <p>Accept any other correct alternative method.</p>	2	
	2.3	<p>Perimeter: = 4 cm + 4 cm + 4 cm + 4 cm = 16 cm ✓</p>	<p>Correct answer: 1 mark</p> <p>Adding sides: 1 mark 16 cm: 1 mark</p>	1	
	2.4	<p>Area: = 3 cm × 4 cm = 12 cm<sup>2</sup> (12 square units) ✓ 4 cm × 2 cm = 8 cm<sup>2</sup> (8 square units)</p> <p>12 cm<sup>2</sup> + 8 cm<sup>2</sup> = 20 cm<sup>2</sup> ✓</p> <p><b>OR</b> Count the number of shaded squares ✓</p>	<p>Correct answer: 2 marks</p> <p>Calculating the area of rectangular parts of the irregular shape: 1 mark</p> <p>Adding the areas to find the total area: 1 mark</p>	2	
	2.5	<p>Calculate the hours from 10:30 to 12:00 = 1:30 1:30 + 6:45 = 8:15 8 hours ✓ and 15 minutes ✓</p>	<p>Correct answer: 2 marks</p> <p>8 hours ✓: 1 mark 15 minutes ✓: 1 mark</p> <p>Accept any other correct alternative method.</p>	2	<b>[9]</b>

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3.		$40 \div 8 \checkmark = 5 \times 5 = 25 \checkmark$ girls	Correct answer: 2 marks  Dividing by 8: 1 mark Multiplying by 5: 1 mark		<b>[2]</b>
4.		$\begin{array}{r} R5, 50 \\ - R3, 45 \\ \hline R2, 05 \\ \checkmark \quad \checkmark \end{array}$	Correct answer: 2 marks  R2 $\checkmark$ : 1 mark 05 $\checkmark$ : 1 mark Accept any other correct alternative method.		<b>[2]</b>
5.	5.1	8 vertices $\checkmark$ 12 edges $\checkmark$		2	
	5.2	1 line of symmetry $\checkmark$		1	
	5.3		6 blocks high: 1 mark 4 blocks wide: 1 mark	2	<b>[5]</b>

6.	6.1	Number of team members:	Tally marks	Frequency	<p>Correct answers: 2 marks</p> <p>16 ✓: 1 mark</p>  ✓: 1 mark <p>Do not penalise learners for not drawing straight lines for tally marks.</p>	2
		Children		20		
		Women		16 ✓		
		Men		19		
	6.2	Team members	Number of team members		<p>Correct answers: 3 marks</p> <p>10 smiling faces (represent 20) ✓</p> <p>8 smiling faces (represent 16) ✓</p> <p>9½ smiling faces (represent 19) ✓</p>	3
		Children				
		Women				
		Men				
	7.	<p>540 ml – 370 ml ✓ = 170 ml (Mass of water in ½ of a container.)</p> <p>170 ml × 2 = 340 ml (Mass of water in a full container.)</p> <p>540 ml – 340 ml = 200 ml ✓ (Mass of container alone.)</p>			<p>Correct answer: 2 marks</p> <p>Calculate difference between mass of half and mass of full container: 1 mark.</p> <p>Subtract mass of water to find mass of container: 1 mark.</p>	[2]
<b>TOTAL: 40</b>						