LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

SEKHUKHUNE EAST DISTRICT

GRADE 9

TERM TEST

DATE: 11 MARCH 2024

TOTAL MARKS: 50

Name of the Learner:_____

Grade/Class: _____

Question Number	Total Mark	Learner's Mark
1	05	
2	16	
3	14	
4	06	
5	09	
Total	**50**	
%	100	

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
0-29	30-39	40-49	50-59	60-69	70-79	80-100
Not Achieved	Elementary Achievement	Moderate Achievement	Adequate Achievement	Substantial Achievement	Meritorious Achievement	Outstanding Achievement

INSTRUCTIONS

1. Show your calculations as instructed
2. Use a black or blue pen
3. Write neatly and legibly.

This question paper consists of 3 pages including cover page

	Question 1	
	Classify the following numbers as Natural , Whole number, rational ,irrational and non-real rational	

	1.1. $\sqrt{13}$	1
	1.2. 23	1
	1.3. $\sqrt{-16}$	1
	1.4. -28	1
	1.5. $3.\dot{2}$	1
	Question 2	2
	2.1.Find the HCF of 420 and 100	
	2.2.Find the LCM of 420 and 100	2
	2.3.Simplify the ratio 154:132 in its simplest form	2
	2.4.Increase R600 in the ratio 3:2	2
	2.5.Decrease 130kg in the ratio 10:13	2
	2.6.Three boys share R2100 in the ratio 3:5:7.Calculate how much each boy will get.	3
	2.7.Thabang and Lejoy are Travelling from Apel to Groblersdal by car. They travel 40km in 24 minutes and they continue at this constant speed. How far will they have travelled in 1 hour 56 minutes	3
	Question 3	
	In this questions you are not allowed to use a Calculator. Show all your calculations 3.1Calculate the value of : $\sqrt[3]{-27}$- $\sqrt{36}$	2
	3.2.Between which two consecutive integers does $\sqrt{130}$ lie	2
	3.3. $\sqrt[3]{73-(-3)^2}$	2
	3.4. $\sqrt{1{,}44}-\sqrt[3]{0{,}064}$	2
	3.5. $\frac{7}{8}-\frac{7}{10}$, giving your answer as a mixed number	2
	3.6. $2\frac{1}{3}$ **x** $3\frac{1}{2}$	2
	3.7. $24 \div 6 + 2 \times 9$	2
	Question 4	
	Calculate the following without the use of a calculator. 4.1. $-8^2 \div (-2)^3$	2
	4.2. $2\frac{1}{2}+1\frac{1}{3}$	2
	4.3. $2\frac{2}{3} \div 1\frac{1}{9}$	2
	Question 5	
	5.1.In the sequence 4; $\frac{2}{3}$; $\frac{1}{9}$ .Calculate the **common Ratio**	2
	5.2. Given the sequence: 1;8;27;64;125;… Write down the next 3 terms of the sequence	2
	5.3. From 5.2. above state whether the sequence is arithmetic, geometric or neither	1
	5.4. Given the sequence: 2; 5; 10; 17; …. 5.4.1.Write the next three terms of the sequence 5.4.1. Provide a rule to describe the relationship the position in the sequence and the value of the term for this sequence.	1 1
	5.4.2. Use the rule to determine the value of the 10^{th} term in this sequence.	2
	5.4.3. Use the same rule to determine which term or position 626 will be.	2