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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

VHEMBE WEST DISTRICT

Liberty through knowledge

GRADE 8

MATHEMATICS

2023 TERM 1

COMMON TEST

MARKS: 50

DURATION: $1\frac{1}{2}$ HOUR

This Question paper consists of 4 pages including the cover page.

INSTRUCTIONS AND INFORMATION

Read the following instructions carefully before answering the questions.

1. This question paper consists of 5 questions.
2. Answer all questions.
3. Number your answers exactly as the questions are numbered in the question paper.
4. Read through the questions carefully and make sure that you allocate enough time for each question.
5. You may use an approved scientific calculator (non-programmable and non-graphical).
6. Clearly show ALL the calculations, diagrams and graphs etc. you have used in determining your answers.
7. If necessary, round off to TWO decimal places unless otherwise stated.
8. Answers alone will not necessarily earn full marks.
9. It is in your best interest to write legibly and present your work neatly.

QUESTION NUMBER	QUESTION ITEMS	MARK ALLOCATION
Question 1		[5 MARKS]
1.1	What is the additive inverse of 12? A. -24 B. -12 C. $\frac{1}{12}$ D. $\frac{1}{24}$	(1)
1.2	Calculate: $12,7 \times 0,89 =$ A. 11,301 B. 11,302 C. 11,303 D. 11,304	(1)
1.3	Calculate: $(-20) - (-20) =$ A. 0 B. 40 C. -40 D. -20	(1)
1.4	Which statement is correct? A. $(75 + 5) \times 4 - 70 = 25$ B. $75 + (5 \times 4) - 70 = 25$ C. $75 + 5 \times (4 - 70) = 25$ D. $-75 + 5 \times 4 - 70 = 25$	(1)
1.5	The value of $\sqrt{0,16}$ is A. 0.2 B. 0.4 C. 0.16 D. 0,24	(1)



Question 2		[14 MARKS]
2.1	Find prime factors of 182	(3)
2.2	Find the LCM of 5 and 20	(2)
2.3	Calculate the HCF 98 and 70	(3)
2.4	Divide 50 in the ratio of 3:2	(3)
2.5	Thomas took out a R25 000 loan from a lender that charges him 22% interest each year. How much will he owe in one years' time?	(3)
Question 3		[13 MARKS]
3.1	Calculate:	
3.1.1	$48 + (-22)$	(2)
3.1.2	$4 - [2 \times 30 \div 5 + 3(-12 \div 4)]$	(4)
3.1.3	$2^0 + 4$	(1)
3.1.4	$\sqrt{9 + 16}$	(2)
3.2	Use a long division method to find the value of $30\,870 \div 49$	(4)
Question 4		[8 MARKS]
4.1	Simplify: $\frac{14}{28}$	(1)
4.2	Calculate: $\frac{4}{3} \div \frac{3}{2}$	(2)
4.3	Find the value of: $\frac{4}{5}$ of 20	(2)



4.4	Calculate how much a car will cost if its original price of R 150 000 is reduced by 15%	(3)
Question 5		[10]
5.1	Calculate:	
5.1.1	$0,03 \times 0,02$	(2)
5.1.2	$0,36 \div 0,2$	(3)
5.1.3	$(0,4)^2$	(2)
5.2	Calculate : $\sqrt{0,01} =$	(3)
	TOTAL= [50]	

