

Candidate's Index Number _____

Name of the School _____

**KEYS EDUCATIONAL AND STATIONERY SERVICES (KESS)
REGISTRATION NUMBER: 473801**



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KIFURU-KINYEREZI, DAR ES SALAAM

**FIRST STANDARD SEVEN JOINT ASSESSMENT
04E: MATHEMATICS**

Time: 2:00 Hour

Thursday 7th March, 2024

Instructions

1. This paper consists of sections **A, B** and **C** with a total of **eight (8)** questions.
2. Answer **all** questions in each section.
3. Write your answers in the space provided in each question.
4. All answers must be written in **blue** or **black** pen.
5. Cellular phones, and any unauthorized materials are **not** allowed in the assessment room.
6. Write your **Index Number and Name of your School** in the space provided at the top right corner of every page.

FOR EXAMINERS' USE ONLY

QUESTION NUMBER	SCORE	EXAMINER'S INITIALS
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
TOTAL		
ENTERER'S INITIALS		
CHECKER'S INITIALS		



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SECTION A (10 Marks) - MATHEMATICAL OPERATIONS

NO.	QUESTIONS	WORK	ANSWERS
1.	i. Kanjubai read 245 pages on Monday, 356 pages on Tuesday and on Wednesday he read 543 pages to finish the whole book. How many pages did he read in total?		
	ii. What is the sum of $7\frac{2}{5}$ and $4\frac{3}{7}$?		
	iii. Mr. Lubeja's family uses 5 litres of milk every day. How many litres does the family use in 8 weeks?		
	iv. A factory produced 193,708 pairs of Khanga and 172,646 pairs of Vitenge. Find the difference between their production.		
	v. The sum of two numbers is 987,000 if one of the two numbers is 765,000. What is the other number?		
	vi. $76.855 + 45.08 =$		
	vii. The census that was conducted in 2022 indicated that there are 4000 men, 3000 women and the rest were children in a certain village. If the village had 9000 people; how many children were there?		
	viii. Subtract (-75) from $+25$.		
	ix. John spent $\frac{2}{8}$ of 240,000 shillings. How much did he spend?		
	x. The age of Furaha is $\frac{1}{3}$ of the age of her aunt. If the sum of their ages is 54 years, how old is Furaha?		

SECTION B: (30 Marks)

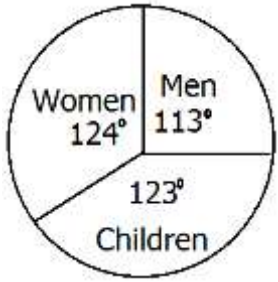
WORD PROBLEMS

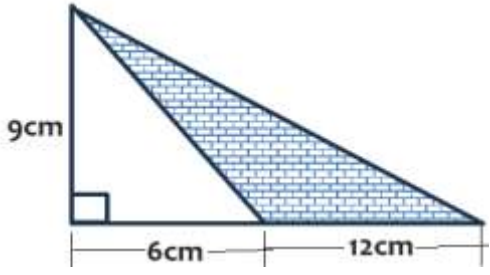
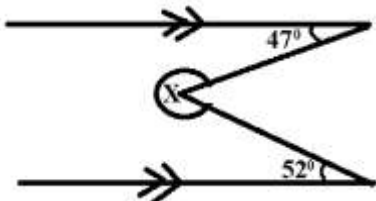
2.	i. Sungura was asked to write “ five million nine hundred ninety thousand, nine hundred and ninety ” in figures. What was his possible answer?		
	ii. A place value of a number is its position in a group of digits. What is the place value of the underlined digit in <u>5</u> 0814?		

	<p>iii. Tuma Primary school registered 1249 pupils in 2024. If one is to write the number of pupils at such school in roman numerals. What will be the answer?</p>		
	<p>iv. 299,765,000 shillings was used to build teacher's house at Kess Modern School. Approximate the cost to the nearest millions.</p>		
	<p>v. What will be the sum of the total values of 9 and 5 in 9,876,543 considering a total value to be an actual value of a number?</p>		
	<p>vi. How can one write "seventy five and forty five hundredths" in figures?</p>		
3	<p>i. The teacher asked the pupils to list down the multiples of 13 between 20 and 60. Which numbers were listed by the pupils?</p>		
	<p>ii. Grade VII pupils were asked to simplify $(5^3)^2 \times (5^4)^3$ and write their answers in exponential form. What was the answer?</p>		
	<p>iii. A teacher spent $\frac{1}{5}$ of her salary to pay school fees for her daughter and $\frac{2}{5}$ for domestic expenses. What percentage of her salary was used for both expenses?</p>		
4.	<p>i. Amani bought 40 goats at 3 200 000 shillings and sold them at the open market at a loss of 18%. What loss did Amani get in shillings?</p>		
	<p>ii. A certain doctor worked for 4 hours 45 minutes. If she started working at 7:30am. At what time did she finish working? (Give your answer in 24 hours system)</p>		
	<p>iii. Kamoga earns 4800 shillings per day. He decided to save a half of her money in order to buy a laptop. If the laptop costs 120 000 shillings. For how many days will he work to get enough money for buying the laptop?</p>		
5.	<p>i. Five villagers shared 13kg 345g of flour during hunger error. What was the share that each of the villagers get?</p>		
	<p>ii. Nana worked out the area of her father's square garden and got $4m^2$. Write her answer into cm^2</p>		
	<p>iii. If the distance from Dodoma to Dar es salaam is 540km and Shabiby bus spent 9 hours from Dodoma to Dar es salaam; what was bus's speed in km/hr?</p>		

6.	i.	Any algebraic expression is made up three major items being constant, variable and coefficient. In $5\frac{1}{2}y + 4$; what is the variable?		
	ii.	Think of a number, multiply it by three. The product will be equal to the sum of a third of such number and sixteen. What is the number?		
	iii.	The ratio of male workers to female workers at Mados Company is 4:5; if there are 250 female workers. How many male workers are there?		

SECTION C: (10 MARKS)
STATISTICS AND GEOMETRY

7.	According to the census of 2022, Lushoto district had 900000 people whose distribution is shown by the pie chart below:			
				
	Use the pie chart given above to answer the following questions			
	i.	How many more women are there than children?		
	ii.	What fraction of all the people in that district are men?		

8.	i. Work out the area of the shaded region in the figure below.			
				
	ii. A Mathematics teacher drew the following figure on the blackboard and he asked standard six pupils to find the value of X. What answer did the pupils get?			
				
	iii.	A triangular farm has an area of $425m^2$. If its base is 34m. Find its height.		