

Candidate's Index Number _____

CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERN ZONE PRIMARY SCHOOLS JOINT EXAMINATIONS (NZ-PSJE)



STANDARD SEVEN PRE – NATIONAL EXAMINATION 2024

04E

MATHEMATICS

TIME: 2:00 Hours

Thursday, 11th July 2024 a.m.

Instructions

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

FOR EXAMINER'S USE ONLY

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

SECTION A: MATHEMATICAL OPERATIONS (10 Marks)

Answer questions by showing the working for items (i) – (x) in the space provided. Rewrite the answer in the answer space.

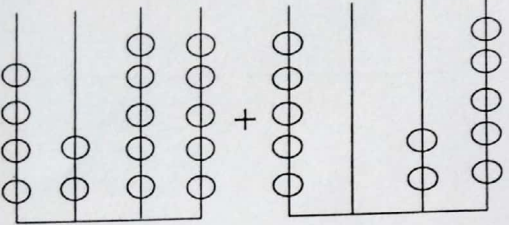
No	QUESTION	WORK SPACE	ANSWER
1.	(i) $315 \times 612 =$		
	(ii) $12675 \div 39 =$		
	(iii) $-38 \times (-5) =$		
	(iv) $-19 + (-5) =$		
	(v) What is the value E $\begin{array}{r} 654E \\ - 2783 \\ \hline 3758 \end{array}$		
	(vi) $(\sqrt{121})^2$		
	(vii) $0.96 \times 4.05 =$		
	(viii) What is the square number of $3\frac{1}{4} ?$		

No	QUESTION	WORK SPACE	ANSWERS
	(ix) If $\frac{4}{5}b : 6 = 20:12$ Find the value of b		
	(x) Solve for x if $\frac{x+1}{2} = \frac{x-2}{4}$		

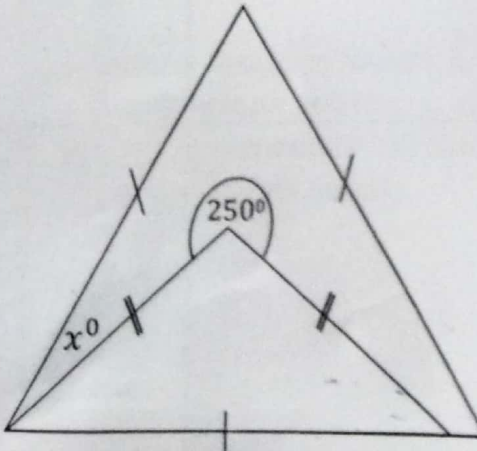
SECTION B: (30 Marks)

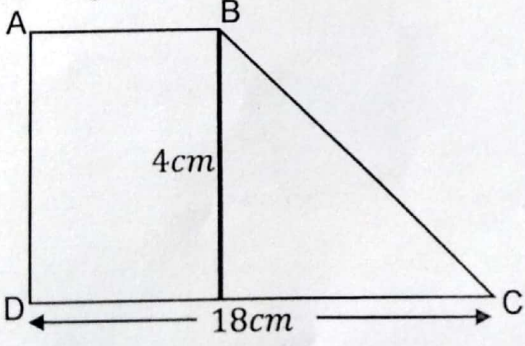
Answer all questions by showing the working in the space provided.

No	QUESTION	WORK SPACE	ANSWERS
2.	(i) The students were given an exercise of arranging the numbers 1.25, 20%, $\frac{1}{8}$, 0.15 and -3 in descending sequence which is correct?		
	(ii) John has five children whose ages differ by 4 years from each other. If the second born is 17 years old what is the difference in years between the fourth born and first born		
	(iii) Write the roman numeral MMDXC as ordinary Arabic numerals.		
	(iv) 794 pupils are in school. If this number is written by approximating it to nearest tens how will it be written?		

No	QUESTION	WORK SPACE	ANSWERS
	(v) Head teacher distributed pupils in five groups and assigned them to find the sum of two abacuses below:		
			
	(vi) If a school terms takes 12 weeks and 3 days, how long will 4 terms takes?		
3.	(i) A wire of length $6\frac{2}{5}$ metres were cut into equal pieces of each $1\frac{3}{5}$ metre long. How many pieces were cut?		
	(ii) A construction company construct 2km 125m of a road a day. How long will this company construct in 8 days		
	(iii) A plane flew from Arusha to Dar-es salaam a distance of 785km. If it flew at a speed of 157 km/hr, how much time was used?		

No	QUESTION	WORK SPACE	ANSWERS
4.	(i) A book sold at sh. 5000/=. If John has 12 coins of sh 200 each, how much more money does he need to buy it?		
	(ii) Father passed away he left 12,000,000/= shilling being inheritance of his two sons Paul and Elisha. He left the will that Elisha should get $\frac{3}{5}$ of the amount that Paul should get. How much money should Paul get?		
	(iii) John bought a radio at sh 25,000/= and sold it at sh 20,000/=. What was the percentage loss?		
5	(i) The age of child is $\frac{1}{4}$ of her mother's age. After 5 years the age of the child will be $\frac{1}{3}$ of that mother. How old is the child?		
	(ii) John visited his brother Omary and stayed with him for 540hours. How many days did he stay with Omary's place?		
	(iii) We were left with $1\frac{3}{8}$ kg of rice at home and mother bought $8\frac{3}{4}$ more kg of rice. How much rice is now available?		

No	QUESTION	WORK SPACE	ANSWERS
6.	(i) Magreth got a simple interest of shs 1600/= after 8 months from a certain bank. If the bank's rate is 4% per annum, how much did she previously deposit?		
	(ii) If $\frac{1}{3} : 8 = 24 : K$ Find the value of K		
	(iii) If $n + 5 = 0$. What will the value of expression $\frac{(2n + 3) \div (n - 4n)}{2 - n}$		
7.	(i) Find the value of x° 		

No	QUESTION	WORK SPACE	ANSWERS
	<p>(ii) Juma went to the market to buy the following items:- 2kg of onions @ 2000/= shillings 3kg of carrots @ 1500/= shillings 5 Kg tomatoes @ 300/= shillings Find the percentage of onions expenditure over total expenditure.</p>		
8.	<p>(i) If the sum of two $\frac{2}{3}$ of a number and 1 equal 5. What is that number?</p>		
	<p>(ii) If the area of the following trapezium is 60cm^2. Find the length of AB</p> 		
	<p>(iii) Find the value of y</p> 