THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
PRIMARY SCHOOL LEAVING EXAMINATION

04E MATHEMATICS

Time: 2:00 Hours **Year: 2021**

Instructions

1. This paper consists of sections A and B with a total of **forty five (45)** questions
2. Answer **all** questions in each section.
3. Read all the instructions in the **special answer sheet (OMR)**.
4. Fill in **all** the needed information in the OMR form.
5. **Shade** the digits of your **Examination Number** in the respective places of the OMR form.
6. **Shade** the letter of the correct answer for question **1** to **40** in the OMR form provided. For example, if the correct answer is A, shade as follows:

[A]	[B]	[C]	[D]	[E]

7. If you have to change your answer, you must use a clean rubber to rub out the shading **neatly** before shading the new one.
8. Use **HB pencil** only to answer question **1** to **40**; and a **blue** or **black pen** for question **41** to **45**.
9. Show all work clearly for question 41 to 45 in the space provided in the OMR form.
10. Cellular phones and any unauthorised materials are **not** allowed in the examination room.

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SECTION A: MATHEMATICAL OPERATIONS, FIGURES AND WORD PROBLEMS

For each of the questions 1 – 40, work out the answer, then choose the correct option and shade corresponding **letter** in the special answer sheet (OMR) provided.

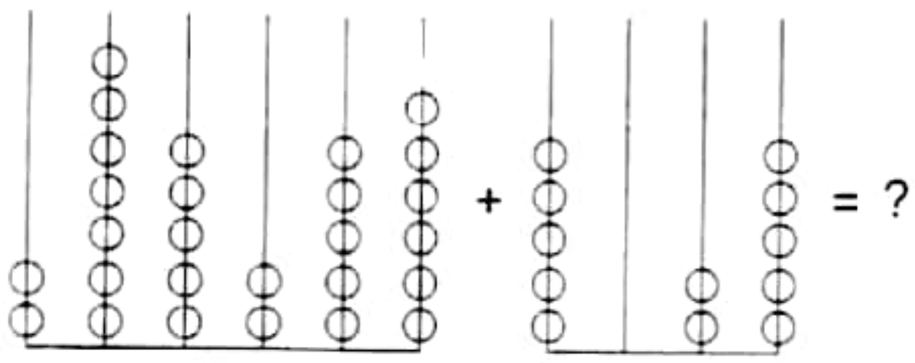
No.	Question	Working Space
1.	Five pupils were assigned to write numbers on the board, one number for each pupil. Which of the following is the smallest number which was written by the pupils? A 0.457 B $\frac{2}{3}$ C 40% D 0.53 E 0.80	
2.	The following table shows the number of Standard Seven pupils in Roman and the drinks they mostly like. **Drinks** | **Fanta** | **Pepsi** | **Tea** | **Water** | **Milk** Number of pupils | XCI | XC | CIX | CVI | CX Which drink is preffered by most of the pupils? A Fanta B Pepsi C Tea D Water E Milk	
3.	The place value of the underlined digit in the numeral 504251 is A tens B thousands C ten thousands D hundreds E hundred thousands	
4.	A gas jar full of gas has a capacity of 10 litres. If 1.5 litres have been used, what fraction of the volume of gas has remained? A $\frac{3}{20}$ B $\frac{20}{23}$ C $\frac{17}{20}$ D $\frac{3}{23}$ E $\frac{3}{17}$	
5.	In Uhuru primary school, 60 Standard Four pupils attended in the classroom during reading session and 20 pupils did not attend. What is the percentage of pupils who did not attend in that class? A 33.3% B 80% C 25% D 75% E 66.7%	

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No.	Question	Working Space
6.	A certain village had a total of 3,845,308 cattle. What is the total number of those cattle to the nearest ten thousands? A 3,854,310 B 3,845,300 C 3,846,000 D 3,850,000 E 3,845,000	
7.	Tanganyika got her independence in 1961. If Mwanakwetu was two years old by then, how old was she in 2020? (Give the answer in Roman numbers? A LIX B LXI C XLI D ILX E XIL	
8.	Maneno was given the numbers 21, 29, 37, 45, 49, 51, 53, 57, 59 and 61 in order to identify the prime numbers. If he wrote the prime numbers correctly, which of the following numbers did he write? A 21, 45, 51 and 57 B 29, 37, 51, 59 and 61 C 29, 37, 53, 59 and 61 D 29, 49 and 59 E 21, 51 and 61	
9.	The ages of four children were arranged in consecutive years 13, 18, 23 and_____. What is the age of the fourth child? A 28 B 24 C 22 D 12 E 41	
10.	The revenue collections for five consecutive years were listed by using the number 2, 4, 7, 12 and 18. What is the number for revenue of the sixth year in that sequence? A 18 B 28 C 20 D 31 E 30	
11.	The following sequence represents the weights of pupils standing on a line according to their weight: 59, 55, 51, ___, 43, 39, 35. What is the weight of the pupil that should be written in the blank space? A 52 B 47 C 44 D 42 E 50	
12.	The Standard One pupils' attendance at Mtakuja Primary school was decreasing for five consecutive days as follows: 78, 75, 72, 69,_____. How many pupils attended on the fifth day A 70 B 68 C 66 D 79 E 77	

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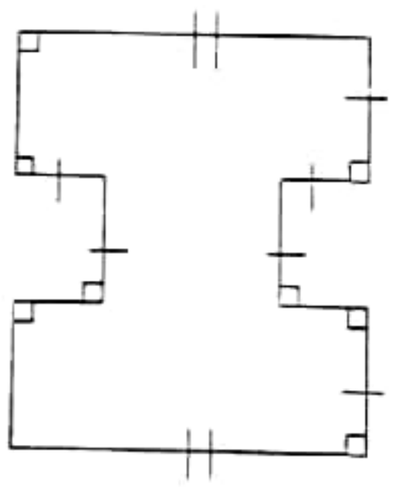
No.	Question	Working Space
13.	Mshikamano villagers contributed 325,500 shillings to build a school toilet. If each villager contributed 500 shillings, how many villagers contributed? A 6,051 B 6,501 C 32,600 D 651 E 325,000	
14.	Tanganyika got her independence in the year MCMLXI and Zimbabwe got her independence in the year MCMLXXX. How many years passed after independence of Tanganyika until the independence of Zimbabwe? A XXI B XIX C XXIX D IX E XVIIII	
15.	A teacher made five groups of pupils and assigned them a task to find the sum of numbers in two abacuses as shown in the following figure:  Which of the following is the correct answer? A 280,281 B 280,271 C 270,231 D 270,271 E 280,291	
16.	John got a profit of sh 600,000 after selling chickens and eggs. If the profit from selling one chicken was sh 1,500 and the profit from one tray of eggs was sh 1,000, how many trays of eggs did John sell if he sold 300 chickens? A 400 B 450 C 300 D 150 E 100	
17.	Ashura has 43 mangoes and Asha has 17 mangoes. How many mangoes does Asha need from Ashura so that they have equal number of mangoes? A 26 B 13 C 60 D 30 E 43	
18.	Jerry has 208 workers in his industry. If each worker is paid sh 55,460 a day, how much money does Jerry use to pay all his workers in a day? A sh 11,435,680 B sh 10,435,680 C sh 55,252 D sh 55,668 E sh 11,535,680	

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No.	Question	Working Space
19.	Five children were asked to find the difference between 998,999 and 819,937 votes. Which among the following is the correct difference of the votes? A 1,818,936 B 181,062 C 179,062 D 189,062 E 1,708,936	
20.	At Maendeleo primary school there are 480 pupils in Grade Seven. If $\frac{7}{12}$ of the pupils are girls, what is the difference between the number of girls and boys? A 280 B 760 C 40 D 80 E 200	
21.	Mr Majuto distributed 3,600,000 shillings to his three children; Juma, Ally and Rehema. Juma received $\frac{1}{5}$ of the money, Ally got $\frac{4}{9}$ of the money and Rehema received the remaining amount of money. What was the highest amount given among those children? A 2,320,000 shilings B 1,280,000 shilings C 7,200,000 shilings D 1,600,000 shilings E 2,880,000 shilings	
22.	Mr. Mahenge has a total of 1,560 cattle whereby 35 percent are calves, 10 percent are bulls and the remaining are cows. How many cows does he have? A 858 B 156 C 546 D 702 E 390	
23.	Farida had sh 550,000. She bought 1 television set for sh 162,000, 1 camera for sh 45,700, 1 set of couches for sh 87,900, 1 ring for sh 68,500 and 3 pairs of shoes for sh 20,000 each. How much money did she remained with? A 424,100 shilings B 135,900 shilings C 384,100 shilings D 165,900 shilings E 125,900 shilings	
24.	A baby slept at 7:40 a.m. for seven hours. At what time did he wake up? A 2:40 p.m B 1:40 p.m 11:20 a.m D 2:40 a.m 11:20 p.m	

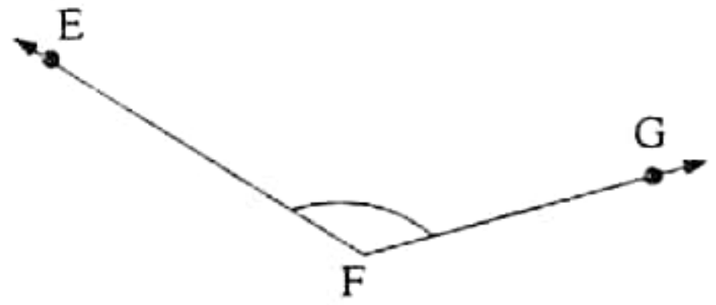
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No.	Question	Working Space
25.	The Standard Five and Six pupils started playing football at 9:45 a.m. How is that time written in 24 hours system? A 2145 hours B 0345 hours C 0945 hours D 02145 hours E 3:45 hours	
26.	Lusajo visited his sister Chaupele and stayed with her for 840 hours. How many days are equivalent to those hours? A 70 B 28 C 120 D 14 E 35	
27.	Yusufu arrived at school at 8:30 in the morning being late for 30 minutes. At what time was he supposed to arrive at school? A 9:00 a.m B 8:30 a.m C 2:00 p.m D 8:00 a.m E 8:60 a.m	
28.	NMB bank divided the profit to its three customers John, Anna and Suzan. John got sh 30,000, Anna got sh 60,000 and Suzan got sh 90,000. If each customer gave $\frac{1}{3}$ of the profit to the hospital, how much money was sent to the hospital? A sh 60,000 B sh 30,000 C sh 40,000 D sh 10,000 E sh 50,000	
29.	A pupil drew the following figure and indicated the lines of symmetry.  How many lines of symmetry did the pupil get? A 6 B 2 C 4 D 5 E 3	
30.	The volume of a cubic water well is $64m^3$. What is the length of one side of the water well? A 8 m B 4 m C 16 m D 32 m E 60 m	

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No.	Question	Working Space
31.	A car tyre has a diameter of 100 centimetres. How many complete rounds will the tyre turn in moving a distance of 471 metres? (Use $\pi = 3.14$). A 1.5 B 4.71 C 14.79 D 150 E 75	
32.	Angle EFG in the following figure represents one of the angles of the roof of Mr. Nzige's house.  What type of angle is this? A Acute angle B Obtuse angle C Reflex angle D Right angle E Straight angle	
33.	Mwanjaa climbed Mount Kilimanjaro whose height is 5,895 metres above sea level. When she reached the height of 3,955 metres above sea level, she failed to continue due to health problems. How many metres remained to reach the top of the mountain? A 1,940 B 2,140 C 1,840 D 9,850 E 9,840	
34.	Mama Shamba filled 200.25 litres of palm oil in 267 bottles. What was the capacity of each bottle? A 1.33 litres B 7.5 litres C 1.33 mililitres D 750 mililitres E 75 mililitres	
35.	Mpanda travelled a distance of 72 kilometres in 15 minutes. What was his speed in metres per second? A 80 B 480 C 800 D 1200 E 20	

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No.	Question	Working Space
36.	Mr. Chezo was given a task to arrange the medicine bottles with the masses 3,000 mg, 230 cg, 0.5 dg, 0.39 dag and 2.4 g according to their size. As a supervisor of the job, which set shows a correct arrangement? A 0.5 dg, 3,000 mg, 230 cg, 0.39 dag and 2.4 g B 3,000 mg, 230 cg, 2.4 g, 0.5 dg and 0.39 dag C 230 cg, 0.5 dg, 2.4 g, 3,000 mg and 0.39 dag D 0.39 dag, 3.000 mg, 2.4 g, 230 cg and 0.5 dg E 2.4 g, 0.39 dag, 3,000 mg, 0.5 dg and 230 cg	
37.	Think of a number, then subtract nine from that number. The answer is equal to a quarter of that number. What is that number? A 12 B −12 C 33 D 39 E 5	
38.	Simplify the expression 2(3m-2n+5m). A 11m-2n B 12+m-n C 16m-4n D 16m+4n E 4m-4n	
39.	Mr. Sawe recorded the sales of his crops in decimals and fraction as follows: Cashewnuts 0.3, rice $\frac{2}{5}$, Maize 0.1 and Millet whose amount was not mentioned. If the crops are presented by using a pie chart, what will be the degree measure representing the Millet sales? A 0.2° B 0.8° C 2° D 144° E 72°	
40.	Four children shared a certain amount of money as follows: the first child got sh $4x$, the second got sh $2x$, the third got sh $3x$ and the fourth got sh x. If the third child got sh 28,800, what was the total amount of money before sharing? A sh 9,600 B sh 96,000 C sh 6,000 D sh 60,000 E sh 240,000	

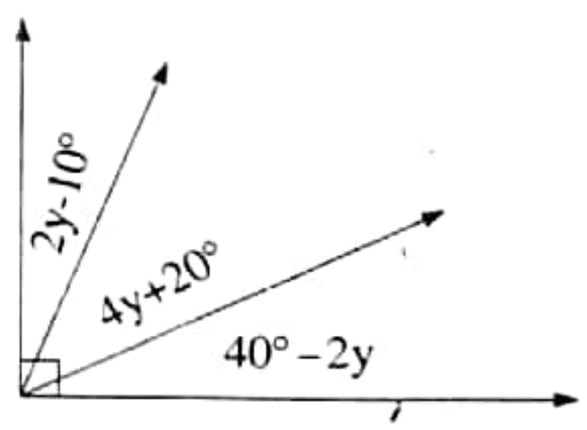
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SECTION B: MATHEMATICAL OPERATIONS, FIGURES AND WORD PROBLEMS

For each of the questions 41- 45, use **a blue** or **black ink pen** to work out the answer in the space provided in the OMR form showing all work clearly.

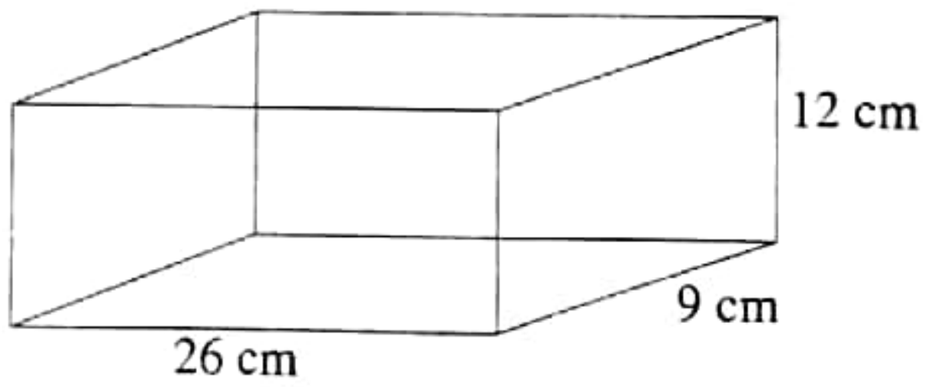
41. A teacher provided an assignment to pupils to list the odd numbers that are also perfect squares between 0 and 50. Which are those numbers?

42. A pupil divided a right angle ABC into three angles as shown in the following figure:



Find the value of y.

43. The following figure shows a box for keeping books:



Find its volume.

44. Mr. Kazimoto and his wife traveled from Mwanza to Singida by bus together with 8 children. The total fare for all of them was 48,000 shillings. If every child paid half the fare of an adult, find the fare for one child.

45. The school fee for one pupil at Mwisaka Private Primary School is 44,665.35 shillings. How much money will the school collect from 32 pupils per year?

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