STUDENT'S NAME _____

THE UNITED REPUBLIC OF TANZANIA

PRIME MINISTER'S OFFICE

REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

ENG. STELLA MANYANYA SECONDARY SCHOOL

FORM ONE ANNUAL EXAMINATION 2026

043 **MATHEMATICS**

TIME: 03:00 HOURS **NOVEMBER 2026**

Instructions

1. This paper consists of section **a** total of **Ten (10)** questions.
2. Answer **All** questions**.**
3. Each question carries ten (10) marks
4. All writings should be in **blue** or **black** ink, Except drawings which should be in Pencil
5. Cellular Phones and any unauthorized material(s) are **Not** allowed in the examination Room
6. Write your **Full name** in every page of your answer sheet(s)

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1. (a) Mangoes are to be exactly divided into groups of 20, 30 or 36. What is the minimum number of mangoes required?

(b) approximate $\frac{29}{74} \times 0.00984$ into

i. Four decimal place

ii. Three significant figure

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2. (a) given that $x = 0.8\dot{3}$ and $y = 0.3\dot{4}$ evaluate $\frac{y}{x}$

(b)how many days are there for two years and a half?

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3. (a) A box contains 7 pencils. There are 251 pencils to be packed in these boxes. Approximate the required number of boxes and determine the number of pencils which will left unpacked.

(b) a clothing shop sells t-shirts which are in three colours red, blue and green. The colours are in the ratio of 3 to 4 to 5 respectively. If they shop has 20 blue t-shirts how many t-shirts are there in the shop?

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4. (a) find A : B : C when A : B = 3 : 5 and A : C = 6 : 7
   (b) the first, second, third and fourth terms are proportional. If the first, second, and third terms are 42, 36 and 35 respectively, find the fourth term

5. (a)represent the following on number line
   i. $-\frac{1}{2} \leq x < 2$ ii. $x \leq 3 \; or \; x \geq 3$

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(b) choose any five subjects of your choice other than mathematics and explain with vivid example how each of them is connected to mathematics

6. (a) vanessa is a form one student at **JEPGOS - TANZANIA SECONDARY SCHOOL** he bought twenty seven pens and divided those pens to the one-sixth of the students in the class , how many pens he remained with if the total students in the class was twenty four ?

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(b) The population of city is 13 884 765 people. There are 5 679 482 men and 4 947 652 women and the remaining ones are children. How many children are there in the city?

7. (a) Vanessa had some amount of money she spend $\frac{1}{8}$ in transport , $\frac{3}{7}$ in clothes and $\frac{1}{4}$ of the remained in food. She spend the rest of money in buying mobile phone if the amount used to bought mobile phone is 44 000/= . how much money did she spend in transport and clothes?

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(b) the ratio of the number of the girls to the that of boys in the class is 7 : 12 if the number of boys is 1,1380. Find the number of girls and total number of the students in the class

8. (a) find the value of x such that $3\left(4-\frac{2}{5}x\right) = 4x - 14$

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(b) in a school garden there are 10 rows of beans seedlings wit 16 beans seedlings per each row and 13 row of maize seedlings with 15 maize in each row. How many seedlings of each kind are there?

9. (a) arrange the following number in ascending order $\frac{3}{8}$, $\frac{7}{2}$, $2\frac{1}{6}$, $\frac{17}{7}$, $4\frac{1}{3}$, $\frac{1}{5}$ and 0.25

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(b)The sum of three consecutive odd number is 177. if the first number is n find those three numbers

10. (a) marwa buys 80 fruits for party. He buys orange at 60/= each and bananas at 40/= each and spends a total of 4,160/=. How many of each did she buy

(b) find the equation of the line in form of $ax + by + c = 0$ passing through the point A(4,2) and point B(8,14)