



THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
HANDENI DISTRICT COUNCIL
FORM ONE JOINT TERMINAL EXAMINATION-MAY 2025
BASIC MATHEMATICS



041

Time: 2:30 Hours

INSTRUCTIONS:

- Answer all questions
- Show your work clearly

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- Define basic mathematics
 - Mention branches of Basic mathematics according to form one course
- Mathematics has relation with other subjects. Give three points to show relationship between mathematics and other subjects
 - Mathematics and Biology
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 - Mathematics and Geography
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 - Mathematics and History
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- Represent each of the following rational number on a number line
 - 2.5
 - 0.8
- Convert recurring decimal below to inform of a/b where $b \neq 0$
 - $5.2\dot{3}$
 - $0.\dot{2} + 0.\dot{5}\dot{1}$
 - If $A = \frac{5}{33}$ and $B = 1\frac{37}{45}$. Write A and B repeating decimal
- Use a number line to represent all real numbers "X" in each of the following
 - $-\frac{1}{2} \leq X \leq 2$
 - $X \leq \frac{3}{2}$

6. a) Find the absolute value of $5\frac{1}{2} - (-7 + \frac{3}{11})$
- b) Round off
- i. 35·49643 to the nearest thousands
 - ii. 274·1967 to the nearest tens
7. The total mass of cotton harvested in a certain District was 17,816,273 Kg
- a) Write the mass of cotton in words
 - b) Round off the mass of cotton to the nearest thousands of kilograms
8. Evaluate
- a) $10\frac{1}{2} - (8 - 3\frac{1}{3}) \div \frac{2}{7}$
 - b) $(7\frac{1}{4} - 5\frac{1}{3}) \div (1\frac{1}{2} \div 3\frac{1}{2})$
9. Anna has Tsh 5,000,000 in her bank account. Every week she withdraws Tsh 40,000 for various expenses. Without making any deposit, how many days can she withdraw this money?
10. The age of a father is four times the age of his son. If the sum of their ages is 50 years, find the age of the father.