

MUSOMA MUNICIPAL COUNCIL
BUHARE CLUSTER MID - TERM ASSESSMENT
SUBJECT: MATHEMATICS **CLASS: FORM ONE**

TIME:02:30 HOURS. **AUGUST,2026 .**

INSTRUCTINOS

This paper consists 10 questios.

Answer all questions.

In this paper show your work clearly and all writing must be in blue or black ink.

Write your name on every page of this paper.

1. a) In fraction the number on the top is called and the number below is called.....

b) Write the following fractions in words

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i. $\frac{3}{4}$

ii. $\frac{1}{4}$

iii. $\frac{1}{2}$

iv. $\frac{3}{5}$

v. $\frac{6}{6}$

2. a) if $x = 0.\dot{2}$, $y = 0.\dot{3}$ and $z = 0.\dot{9}$, evaluate each of the following expression.

i. xy

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ii. $x + yz$

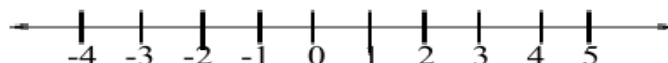
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b) Study the following number line and use inequality symbols to answer the questions that follow.



- i. Write all real numbers which are greater than zero.....
- ii. Write all real numbers which do not exceed two.
- iii. Write all real numbers between negative three and positive four.....

3. a) Write 47628.02415 correct to:

- i. 3 significant figures
- ii. 3 decimal places.....
- iii. 4 decimal places.....
- iv. 4 significant figures.....

b) Round off the following numbers according to the instructions.

- i. 3.6265 to the nearest thousands
- ii. 2,500,000 to the nearest millions.....

4. A car uses 1.13 litres of petrol to travel a distance of 11.65km.

a) Estimate the rate of fuel consumption of the car in km per litre.

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b) Estimate the amount of fuel the car will consume for travelling

i. 40.28 km

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ii. 348 km

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5. a) Six copies of mathematics text books cost Tshs 66,000. Find the cost of 8 copies of the same text book.

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- b) Juma read 81 pages of a book containing 144 pages. Find :

i. The ratio of a number of pages remaining to the pages read in its lowest form.

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ii. The ratio of the percentage of the pages read to the total number of the pages.

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6. a) Express each of the following algebraic expressions as a single fraction.

i. $\frac{h-1}{3} + \frac{h+1}{2}$

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ii. $\frac{b-2a}{4b} - \frac{b+3a}{20b}$

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b) Divide $4ax + 6ay - 10az$ by $2a$

[illegible]

7. With vivid examples, explain how other fields are connected to mathematics. (At least five points)

[illegible]

8. a) Find the absolute value in each of the following expressions.

i. $\frac{2}{3} \times 3\frac{9}{16}$

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ii. $-\frac{4}{5} \div \frac{33}{25}$

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b) Write $\frac{40}{33}$ into decimals. Show clearly how you got your answer.

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9. Use the 8 possible clues in the table to find the correct fraction of the challenges below.

The clues

A. $\frac{2}{7}$	B. $\frac{1}{3}$	C. $\frac{3}{4}$	D. $\frac{4}{5}$	E. $\frac{3}{3}$	F. $\frac{5}{11}$	G. $\frac{1}{2}$	H. $\frac{3}{8}$
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Challenge 1

My number is not one, I am greater than a half. My denominator is even, I am not equal to whole. **Who am I?**

Challenge 2

I am not equal to a whole, My denominator is odd. I am less than a half, My denominator is 11. **Who am I?**

Challenge 3

I am not equal to a whole,My numerator is the same as my denominator,We look alike.**Who am I?**

10. a) The age of Mr kiboto is one - fifth the age of his father.If the sum of their ages is 66 years,find their ages.

[illegible]

b) A certain school placed two orders with the stationary dealers. The first order was 50 boxes of marker pens and 20 boxes of correction fluid for the total amount of 40,000 Tanzanian shillings. The second order was 10 boxes of marker pens and 20 boxes of correction fluid for the total amount of 24,000 Tanzania shillings.

Calculate the cost of a boxes of marker pens and a boxes of correction fluid.

[illegible]