

PRESIDENT OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
MUFINDI DISTRICT COUNCIL AND MAFINGA TOWN COUNCIL
JOINT EXAMINATION
BASIC MATHEMATICS

TIME: 2:30HRS

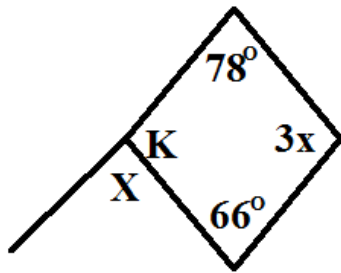
FORM ONE

March, 2022

INSTRUCTIONS

1. Answer **ALL** questions
2. Write your name on every page of your answer sheet

01. Compute the following:-
 - (a) $(5 + 3) \times 2 \times 10 \div (8 - 3)$
 - (b) $(7 - 3 \times 2) \div 3 \times (7 - 4)$
 - (c) How many prime numbers are there between 1 and 20?
 - (d) What is the greatest common factor of 672 and 490?
02. Write 0.014865 correct to;
 - (a) Four decimal places
 - (b) Three significant figure
 - (c) One significant figure
03. (a) Divide the LCM and GCF of the numbers 420, 264, 180 and 360
 (b) Write 840;
 - (i) In an expanded form
 - (ii) As a product of prime factors
 - (iii) In word
04. Change the following into improper fraction
 - (i) $0.\dot{3}$
 - (ii) $2.5\dot{3}$
05. (a) Lucky was given 81,000/= for the schools fees and pocket money. If the school fees is 65,000/=, how much is her pocket money?
 (b) A man can paint a door in 1 and half hour. How long it will take him to paint 18 door?
06. (a) Find the value of angle marked by letter X and K



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- (b) In a school of 210 students, 80 of them are absent, what percent is present?
07. (a) Find the smallest number of sweets that can be put into bags which either contain 9 or 15 or 20 sweets with none left over.
 (b) square tiles are used to build the floor measuring 12m by 16m. If the tiles are all alike, and only whole ones are used, what is the greatest size of each tile?
08. (a) Divide the following and give your answer in metre.
 $(23 \text{ km } 74 \text{ dam } 80 \text{ dm}) \div 6$
 (b) Find $-7 + 5$ on the number line.
09. (a) Simplify $6x + 8 - 2(x + y - 8) - 3y$
 (b) Form a possible largest number of digits 3191725.
10. If $x = 0.35$ and $y = 0.18$ Find the values of the following to three significant figures.
 - (i) $x + y$
 - (b) $x - y$