INSTUCTIONS

Answer all questions

1. (a) (i) Wwrite 2207520000 in words

   (ii) Write in the numeral "Nine hundred eighty two million four hungred and six thousand and six thousand two hundred fifteen

   (b) (i) Find all factors of 124

      (ii) List 10 multiples of 12

 (c) Find the product of LCM and GCF of 24, 156, and 180

2. (a) (i) Change $3\frac{3}{4}$ into improper fraction

      (ii) Change $\frac{135}{8}$ into mixed number

   (b) Change the following recurring decimals into fractions

      (i) $0.9\dot{3}33...$

      (ii) $0.\dot{1}8\dot{6}186...$

   (c) Dotto scored 40 out of 80 marks in mathematics test. What percentage was this?

3. (a) The diameter of nichrome wire is 0.862mm change this into

       (i) M

      (ii) Hm

  (b) Convert 70years into seconds

  (c) Change 36kg into

      (i) hg

(ii) dg

4. (a) Simplify the following giving your answer correct to the required number of significant figures

(i) 7.351x4.83 to four significant figures

(ii) 7.31÷ 0.983 to three significant figures

(b) Wtite 0.014865 correct to

(i) 2decimal places

(ii) 3decimal places

5. (a) Simplify the following

(i) 76+38% of 50

(ii) 6+(-3)   use a numberline

(b) Solve the following equations

(i) 3x-3= 2

(ii) $\frac{3x}{5}$ -1 =5

6.Find the solution of *2X+1>3* and show it on the number line

7. Adamaged chair that cost sh 11000 was sold at Sh.10000, find the loss made

8. Think of a number, which is both even and prime number, add that number to ninty eight the result is another number , write down all factors of the resulting number at the end.

9.If 0.125 of all students in a mixed class are girls,what percent of the students are boys?

10. A block is cut into equal units of 10g, 20g and 35g. Find the minimum possiple mass of the block from which the pieces can be cut.

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