NAME……………………………………………ADM………………..CLASS……………..

MATHEMATICS
FORM 1
END TERM EXAMINATION
TIME: 1HR 30 MINS

INSTRUCTIONS:
Answer all questions in the spaces provided
              Calculators should not be used

1. Express the following numbers in words:-
   (a) 74 379 652 137   (2 marks)

   (b) 3 486 789   (2 marks)

2. Round off the following numbers to the nearest numbers indicated in bracket (4 marks)
   (a) 379(10)

   (b) 89 365(100)

   (c) 249 889(1000)

   (d) 89 123 564(1 000 000)

3. Three cisterns in a public lavatory are designed to flush at at intervals 0f 8, 13 , 15 seconds. After how many minutes will they flush together again? (3 marks)

4. Evaluate 96 ÷ 6 + 7 x 15 – 14 x 5   (3 marks)

5. A vegetable vendor had 1348 cabbages. He sold 750 on the first day and 240 on the second day. He added 462 to the remaining stock on the third day.

(a) How many cabbages did he have at the end? (2 marks)

(b) If he sold all the cabbages at an average price of sh. 12 each, how much money did he collect? (2marks)

6. Express the following composite numbers as a product of prime factors (3 marks)
   (a) 81

   (b) 1386

   (c) 2057

7. The GCD of two numbers is 12 and the LCM is 240. If one of the numbers is 60, find the other number. (2 mks)

8. Perform the following operations using number line (6 marks)

   a) +5 - (-2) =

   b) -10 – (-3) =
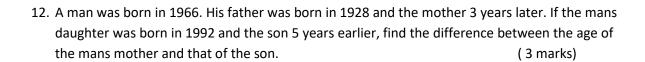
c) (-2) – (+5)= ⬜

9. Using divisibility test find out whether the following numbers are divisible by the number in bracket
   (a) 104 844 (11)   (2 marks)

   (b) 84 735(9)   (2 mks)

   (c) 48 732(6)   (2 mks)

10. Work out without using a calculator

    a) 98 + 6734 + 348   (2 marks)

                                                                                       (3 marks)
    b) $\dfrac{648-243}{81}$

11. What is the greatest mass that can be taken in exact number of times from 144g, 216g, 126g. (3marks)

12. A man was born in 1966. His father was born in 1928 and the mother 3 years later. If the mans daughter was born in 1992 and the son 5 years earlier, find the difference between the age of the mans mother and that of the son. (3 marks)

13. If x= -2, y= -6 and z= 4 find the value of

    a) 2y – 3x + z   (2 marks)

    b) $\frac{3yz}{x}$ (2 marks)