GATITU MIXED SECONDARY SCHOOL

MATHEMATICS FORM 1 END OF TERM 3 2015 EXAM

1. Evaluate 540396 -726450 ÷ 3 1mk
2. Write the total value of the digit in the thousands place of the results obtained in (a) above 1mk
3. The volume of a cube is 1728 cm3. Calculate, correct to 2 decimal places, the length of the diagonal of a face of the cube. 3mks
4. Find the sum of a third of (a+b) and fifth of (a-b ) 3mks
5. Express the following numbers in terms of their prime factors.
6. 300 1mk
7. 196 1mk
8. 72 1mk
9. Test whether 83472 is divisible by;
10. 2 1mk
11. 3 1mk
12. 4 1mk
13. What is the greatest mass that can be taken in an exact number of times from 144 g, 216g and 126 g? 3mks
14. The GCD of two numbers is 12 and their LCM is 240. If one of the numbers is 60, find the other number. 3mks
15. If x =-2 , y = -6 and z=4, find the value of; 3mks

4xy

z

1. Express 0.7030 as a fraction 3mks
2. In a mathematics test,six pupils obtained the following scores;40 c, 20, d, e and f. find their average score. 3mks
3. John is twice as old as his brother kogo, and their sister Jane is 7 years younger than kogo. Write down an expression for the sum of their ages. 3mks
4. Ten men working six hours a day take 12 days to complete a job. How long will it take eight men working 12 hours a day to complete the same job? 3mks
5. An arc of a circle subtends an angle 600 at the centre of the circle. Find the length of the arc if the radius of the circle is 42 cm.(take II=22/7) 3mks
6. How many square tiles of side 15 cm are needed to cover the floor of a room which is 45 m long and 20 m wide? 3mks
7. Find the surface area of a building block measuring 9 cm by 12 cm by 4 cm. 3mks
8. On a certain day, a student measured the temperature inside a deep freezer and found that it was -3 0 c while the room temperature was 240 c. what was the temperature difference between the room and the deep freezer? 3mks
9. A dress which was costing sh. 1200 now goes for sh. 960. What is the percentage decrease? 3mks.