

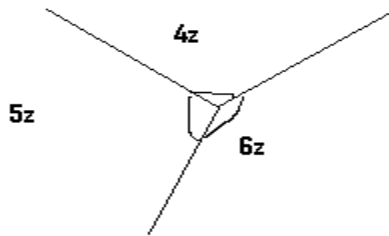
GATITU MIXED SECONDARY SCHOOL

MATHEMATICS FORM 1 END OF TERM THREE EXAM CAT 1 2014

1. Solve the equation 2mks
 $9x - (4x - 3) = 11 + 2(2x - 1)$
2. The sum of two numbers is 120 and their difference is 18. Find the two numbers. 3mks
3. An exam took $2\frac{1}{4}$ hrs and ended at 10.45 a.m. at what time did the exam start? 3mks
4. Use elimination method to solve the simultaneous equations. 4mks
 $X + 2y = 11$
 $2x - y = 2$
5. Simplify 2mks
$$\frac{96xy}{60x^2y^2}$$
6. In one month, a motor vehicle salesman sold 3 motor vehicles, one at sh. 1.5 million, another at sh. 750,000 and the other at sh. 200,000. If he is paid a commission of 7%, how much did he get? 3mks

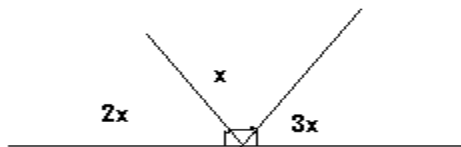
7. Find the value of Z

2mks



8. Find the sizes of the angles marked by letters.

3mks



9. 3 men working 10 hrs a day can do a certain job in 8 days. How would 2 men working 12hrs a day take to do the same job?

3mks

10. Factorize and then simplify.

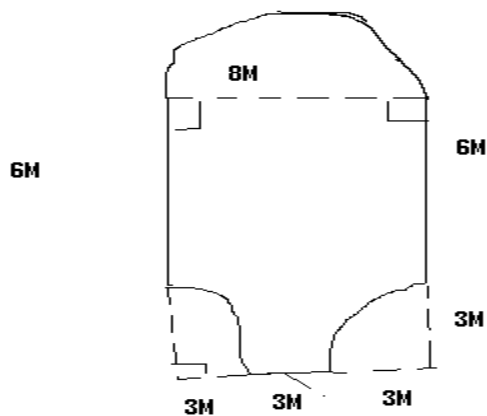
3mks

$$\underline{2mn - 2mk + 3pn - 3pk}$$

11. On a certain day, a boy spent $\frac{1}{4}$ of the time reading and $\frac{1}{12}$ of the time eating. He spent $\frac{1}{2}$ of the remaining time sleeping. What fraction of the day did he spend sleeping? 3mks

12. Write down the prime factorization, in power form of 2272. 3mks

13. Find the perimeter of the shape. 3mks



14. A customer paid sh. 2340 for a commodity on which a discount of $2\frac{1}{2}\%$ was given. What was the marked price of the commodity? 3mks

