**GATITU MIXED SECONDARY SCHOOL**

**MATHEMATICS FORM 1 END OF TERM 2 2013 EXAM**

1. Show how the following additions and subtraction done using a number line. 2mks
2. ( -5) + ( -3)
3. (-6) – (-3)
4. Write the number in words

96,708,476 2mks

1. Write the value of

24  × 32 ×52 2mks

1. Express As a single fraction

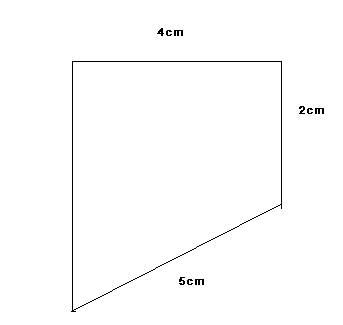
X – 1 + x +2 + x 2mks

2 4 5

1. Simplify by use of common factors 2mks

18ar - 18am

1. Jane is 10 years older than her brother John. Find an expression for
2. The sum of their ages 1mk
3. The sum of their ages in 5 years time 2mks
4. The product of their ages 3 years ago 2mks
5. 4 men can till a piece of land in 6 days. How long would it take 2 men to till the same piece of land? 2mks
6. The enrolment in wengi primary school was 1283 pupils last year. The enrolment this year is 109% of last year’s. What is this year’s enrolment? 3mks
7. Find the perimeter of 2mks



1. Add and express your answer in metres 1.3 km, 3.8 Hm, 2 Dm, 4m, 20 dm, 16mm 3mks
2. Express 125689 to 4, 3, 2, and 1 significant figures 4mks
3. Express 0.09854 to 1,2 and 3 decimal places. 3mks
4. The profit of a divided between now plant, reserves and dividends are in the ratio 3: 7: 9. If the profit is sh. 380,000. What is the amount put to dividends? 2mks
5. A trader plans to increase prices in the ratio 7:6. What will be the new price of an iron box which is marked at sh. 1800? 2mks
6. An alloy is to be made by combining copper and aluminium in the ratio 3:8. If there is 39kg of copper, how much of aluminium is required to make the alloy? 2mks
7. If a:b =3:4 and b:c = 5:7 find a:c 2mks
8. A factory produced 4200 rolls of barbed wire in a 5 – day working week . What was the rate of production of rolls of wire per day? 2mks
9. Factorise the expression

X2 + x y + 2x +2y 2mks

1. Find 1764 by factorization 3mks
2. Express 0.1050 as a fraction 3mks

ALL THE BEST