**GATITU MIXED SECONDARY SCHOOL**

**FORM ONE MATHEMATICS CAT**

1. Convert the following into a fraction: (4 marks)

1. 0.375
2. 0.84
3. 2.4
4. 0.275

2. Complete the following: (4 marks)

1. (+5) – (-2)
2. -3 – (+6)
3. -7 –(-8)
4. (-6) +(+4) +(-8)

3. Round of the following numbers to the nearest 10,000 (4 marks)

1. 379
2. 37,468,592
3. 89,123,564
4. 348,506,279,438

4. Express the following numbers in terms of their prime factors; (2 marks)

1. 300
2. 196

5. Find the GCD of 72, 96 and 300 (3 marks)

6. Three tanks are capable of holding 36, 84 and 90 liters of milk. Determine the capacity of the greatest vessel which can be used to fill each one of them an exact number of times. (3 marks)

7. Juma spent half of his July salary on school fees, one-eighth on farming and two-thirds of the remainder on food. Calculate his July salary if he spent 3200 on food (3 marks)

8. Test whether 712,008 is divisible by 11 (1 mark)