

**GATITU MIXED SECONDARY SCHOOL**

**MATHEMATICS FORM 1 TUNE UP 2<sup>ND</sup> TERM C.A.T.1 2013**

1. Evaluate  $7\frac{2}{3} + 6\frac{3}{5} + 11\frac{5}{6}$  (2mks)

b.  $(+\frac{1}{17}) + (-\frac{3}{5}) - (+\frac{1}{3})$  (2mks)

2. Write in decimal notation (2mks)  
Seven hundred and thirty three millionths

3. Arrange the following in descending order  
a. 0.024, 0.24, 0.0024, 2.4

(4mks)

b.  $\frac{1}{2}$ ,  $\frac{3}{5}$ ,  $\frac{4}{7}$ ,  $\frac{8}{9}$ ,  $\frac{2}{3}$

4. Insert the missing numbers. (3mks)  
a.  $\frac{18}{90} = \frac{\quad}{30} = \frac{3}{\quad} = \frac{\quad}{5}$

b.  $3p/5 = 36/15p$  find the unknown value. (2mks)

Simplify

$7\frac{1}{4} \times \frac{1}{8}$  of  $8/29 \times 1\frac{1}{3}$  (2mks)

5. Work out (2mks)

$$3\frac{9}{17} \div 5\frac{1}{5}$$

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$$37\frac{1}{3} \div 3\frac{1}{4}$$

6. Express the recurring decimals as a fraction (2mks)  
 $3.25\overline{06}$

7. Round off to 4 decimal places. (1mk)  
7.280291

8. Write in standard form

a. 0.0289

(2mks)

b. 509.78

(2mks)

9. Write the number whose standard form is  $7.58 \times 2.0003$

(2mks)

10. Evaluate

$0.348 - 0.089 \times 2.0003$

(2mks)