TEST -1

MATHS

MM: 30 **CLASS 8TH** **18 JUN 23**

RATIONAL NUMBERS

1. Pick up the rational numbers from the following numbers. (5M)
   a. $6/7$
   b. $-1/2$
   c. 0
   d. $1/0$
   e. $100/0$

2. Find the reciprocal of the following rational numbers: (4M)
   (a) $-3/4$
   (b) 0
   (c) $6/11$
   (d) $5/-9$

3. What is the additive identity of rational numbers? (1M)

4. What is the additive inverse of 0? (1M)

5. Write the additive inverse of the following: (2M)
   (a) $-6/7$
   (b) $101/213$

6. Represent the following rational numbers on number lines. (3M)
   (a) $-2/3$

(b) $3/4$
(c) $3/2$

7.Let a, b, c be the three rational numbers where a = $2/3$, b = $4/5$ and c = $-5/6$ (3M)

a. Verify associative property for a,b,c
b. commutative property for a and b
c. Verify closure property for b and c

7. Find the value and express as a rational number in standard form- (3M)
   a. 2/5 ÷26/15
   b. 10/3 ÷ -35/12
   c. -36/125÷ -3/75

8. What is the reciprocal of -5/6? (1M)
9. What is the value of the expression (2M)
   [2/3 +(1/2-1/4)]÷[5/6-(1/3+1/4)] ?
10. Write in standard form- (5M)
    a. 8/-7
    b. 4/-2
    c. -7/-5
    d. 0/-2
    e. -6/4