ΣXEMPLAR POINT ΣP PVT. LTD.

A Complete Institute For Students

CREATING AND SETTING EXAMPLES FOR FUTURE...

VIII MATHS TEST ON RATIONAL NUMBERS

TIME: 60 MIN.   **M.M. : 30**

1. Write five rational numbers greater than –1.   **1**

2. Solve : $\dfrac{4}{7} + 0 + \dfrac{-8}{9} + \dfrac{-3}{7} + \dfrac{7}{21}$ **2**

3. What number should be subtracted from $\dfrac{3}{7}$ to get $\dfrac{5}{4}$?   **2**

4. Sum of two numbers is –4/3. If one of the numbers is –5, find the other. **2**

5. Find additive inverse of $\dfrac{-11}{-25}$ and multiplicative inverse of $\dfrac{-3}{5}$.   **2**

6. Arrange in descending order: $\dfrac{7}{5}$, $\dfrac{16}{3}$, $\dfrac{9}{4}$, $\dfrac{11}{2}$ **3**

7. Find using appropriate property : $\dfrac{-2}{3} \times \dfrac{3}{5} + \dfrac{5}{2} - \dfrac{3}{5} \times \dfrac{1}{6}$.   **3**

8. Find six rational numbers between 3/5 and 3/4.   **3**

9. Represent the given numbers on a number line: $\dfrac{-19}{5}$ **and** $\dfrac{9}{2}$ **4**

10. Simplify: $\left(\dfrac{-9}{4} \times \dfrac{5}{3} \right) + \left(\dfrac{13}{2} \times \dfrac{5}{6} \right)$ **4**

11. Simplify $\left(\dfrac{3}{2} \times \dfrac{1}{6} \right) + \left(\dfrac{5}{3} \times \dfrac{7}{2} \right) - \left(\dfrac{13}{8} \times \dfrac{4}{3} \right)$ **4**