

(1)

## Chapter-1 (Rational Numbers) - Practice Sheet

1) Find :  $\frac{3}{7} + \left(\frac{-6}{11}\right) + \left(\frac{-8}{11}\right) + \left[\frac{5}{22}\right]$

2) Find :  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times \left(\frac{-14}{9}\right)$

3) Write the additive inverse of the following : (i)  $\frac{-7}{19}$  (ii)  $\frac{21}{112}$

4) Verify that  $-(-x)$  is the same as  $x$  for (i)  $x = \frac{13}{17}$  (ii)  $x = \frac{-21}{31}$

5) Find :  $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$

6) Write any three rational numbers between  $-2$  and  $0$ .

7) Find any ten rational numbers between  $\frac{-5}{6}$  and  $\frac{5}{8}$

8) Find a rational number between  $\frac{1}{4}$  and  $\frac{1}{2}$

9) Find three rational numbers between  $\frac{1}{4}$  and  $\frac{1}{2}$

10) Simplify :  $\frac{-72}{12} \div \frac{9}{48}$

11) Simplify :  $\left(\frac{-12}{27} \times \frac{-15}{4}\right) - \left(\frac{-3}{16} \div 2\frac{1}{4}\right)$

12) Simplify :  $\left(\frac{-7}{18} \times \frac{15}{7}\right) - \left(1 \times \frac{1}{4}\right) + \left(\frac{1}{2} \div \frac{15}{14}\right)$