Subject: - Mathematics
Topic: - Rational Numbers

PRACTICE PAPER

CBSE-8th

1. Show that $\left(\frac{-1}{2}\right)+\left[\frac{3}{7}+\left(\frac{-4}{3}\right)\right]=\left[\left(\frac{-1}{2}\right)+\frac{3}{7}\right]+\left(\frac{-4}{3}\right)$ and write the name of the property. **Ans. Associative prop.**

2. Find the rational no. which is additive inverse of its own.

3. Subtract the sum of $\frac{-5}{7}$ and $\frac{-8}{3}$ from the sum of $\frac{5}{2}$ and $\frac{-11}{12}$. **Ans.** $\mathbf{4\frac{27}{28}}$

4. If $x=\frac{4}{9}$, $y=\frac{-7}{12}$ and $=\frac{-2}{3}$, then verify that $x-(y-z)\neq(x-y)-z$

5. Find the sum of additive inverse and multiplicative inverse of 9. **Ans.** $\mathbf{-8\frac{8}{9}}$

6. By what rational number should – 3 is divided to get $\frac{-9}{13}$? **Ans.** $\mathbf{4\frac{1}{3}}$

7. Divide the sum of $\frac{8}{3}$ and $\frac{4}{7}$ by the product of $\frac{-3}{7}$ and $\frac{14}{9}$. **Ans.** $\mathbf{-4\frac{6}{7}}$

8. Represent the following rational numbers on the number line: -

a) $\frac{11}{4}$ b) $\frac{-9}{7}$

9. Write two rational numbers between – 2 and – 1.

10. Write five rational numbers which are smaller than 0.