

SATISH CHANDRA MEMORIAL SCHOOL

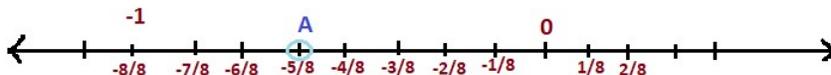
Class: VIII Ch: 1 (Rational Number)

Chapter Test Full Marks: 20

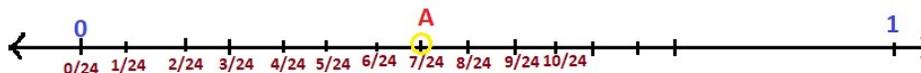
1. $\frac{b}{a}$ is a reciprocal of $\frac{a}{b}$ if _____ . (1)
2. _____ and _____ are reciprocal of their own. (1)
3. Find the multiplicative inverse of $-\frac{3}{7} \times \frac{14}{9}$ (1)
4. Name the property : $\frac{1}{7} \times 1 = 1 \times \frac{1}{7} = \frac{1}{7}$ (1)
5. Find five rational numbers greater than -5. (1)
6. Find x if $\frac{4}{3} \div x = \frac{-5}{2}$ (2)
7. The sum of two rational numbers is -4. If one of them is $-\frac{11}{5}$, find the other. (3)
8. Represent $-\frac{5}{8}$ on the number line. (3)
9. Simplify by using property: $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$. Mention the property used. (3)
10. Find a rational numbers between $\frac{1}{3}$ and $\frac{1}{4}$. Hence represent the number on number line. (4)

Answer (hints)

1. $b \neq 0$
2. 1 and -1
3. multiplicative inverse is $-\frac{3}{2}$
4. Multiplicative identity
5. Five rational numbers greater than -5 are -4, -3, -2, -1, 0
6. $x = \frac{-8}{15}$
7. The other no = $-\frac{9}{5}$
8. Point A represents $-\frac{5}{8}$



9. $-\frac{1}{2}$. Distributive property
10. a rational numbers between $\frac{1}{3}$ and $\frac{1}{4}$ is $= \frac{\frac{1}{3} + \frac{1}{4}}{2} = \frac{7}{24}$



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