



NAME OF THE STUDENT:

CLASS :8 SEC: ROLL NO:



DATE :20.04.2018

TOPIC: RATIONAL NUMBERS

WORKSHEET NUMBER:01

S.NO	QUESTIONS
1	Write the additive inverse of $\left(\frac{5}{6} \div \frac{-4}{21}\right)$
2	Write the multiplicative inverse of the sum of $\frac{-8}{15}$ and $\frac{2}{-3}$.
3	Find the product of $\frac{3}{8}$ and the additive inverse of $\frac{4}{15}$.
4	Show $\left(\frac{1}{4} - \frac{3}{2}\right)$ on the number line.
5	Write four rational numbers between $\frac{-1}{2}$ and $\frac{1}{3}$
6	By what number should $\frac{-33}{16}$ be divided to get $\frac{-11}{4}$?
7	What should be subtracted from $\left(\frac{3}{4} - \frac{2}{3}\right)$ to get $\frac{-1}{6}$?
8	Simplify: a) $\left(\frac{-4}{3} \times \frac{12}{-5}\right) + \left(\frac{3}{7} \times \frac{21}{15}\right)$, b) $\frac{-1}{2} \left(\frac{-3}{5} - \frac{1}{10}\right)$, c) $\left(\frac{-2}{9} \div \frac{4}{9}\right) + \left(\frac{7}{6} \times \frac{-6}{21}\right)$, d) $\left(\frac{3}{-5} + \frac{1}{10}\right) - \left(\frac{-4}{15} \div \frac{8}{-25}\right)$ e) $\left(\frac{5}{2} \times \frac{-7}{20}\right) - \left(\frac{9}{4} \div \frac{3}{16}\right) + 10$
9	Simplify by using suitable property: i) $\left(\frac{-3}{7} \times \frac{4}{-5}\right) + \left(\frac{4}{7} \times \frac{4}{5}\right) - \frac{-1}{2}$ ii) $\left(\frac{-3}{2} \times \frac{5}{4}\right) - \left(\frac{3}{2}\right) \times \frac{-7}{6}$ iii) $\frac{3}{8} \times \frac{-2}{5} + \frac{-3}{8} + \frac{3}{8} \times \frac{3}{10}$ iv) $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{7} - \frac{3}{7} \times \frac{3}{5}$ vi) $\left(\frac{8}{11} \times \frac{3}{7}\right) - \left(\frac{-4}{7} \times \frac{8}{11}\right) + \frac{8}{11}$ vi) $\left(\frac{4}{9} \times \frac{1}{5}\right) - \left(\frac{3}{5} \times \frac{4}{9}\right) + \left(\frac{3}{10} \times \frac{4}{9}\right) - \left(\frac{7}{5} \times \frac{4}{9}\right)$
10	The product of two rational numbers is $\frac{-14}{9}$. If one of them is $\frac{-5}{18}$, find the other number.
11	What should be added to $\left(\frac{-4}{15}\right)$ to get additive inverse of $\left(\frac{-1}{5} + \frac{4}{3}\right)$?
12	What should be multiplied with $\left(\frac{-5}{9} - \frac{7}{18}\right)$ to get $\left(\frac{3}{8} - \frac{-1}{4}\right)$?
13	What should be added to $\left(\frac{-5}{8}\right)$ get multiplicative inverse of $\left(\frac{1}{7} \div \frac{-2}{21}\right)$?
14	What should be should be subtracted from $\left(\frac{-4}{9} \times \frac{-3}{8}\right)$ to get additive inverse of $\left(\frac{-5}{-4}\right)$?