SNBP International & Senior Secondary School, Chikhali, Pune
Affiliation No. 1130703
Academic session 2024-25
WORKSHEET-08

Name: _____ **Date :**
Class: 7 Div: _____ **Subject: Math**
Prepared By: Ms. Snehal Devake **Ch 8 – Rational Numbers**

Q.1) Simplify:

a) $\frac{-4}{9} \times \frac{3}{5} \times \frac{-9}{10}$ b) $\frac{2}{7} + \frac{3}{15}$ c) $\frac{2}{3} + \frac{3}{4} + \frac{1}{12}$

d) $\frac{-28}{27} \div \frac{-5}{9}$ e) $\frac{-4}{5} \div (-3)$ f) $3\frac{2}{5} - (\frac{-4}{5})$

g) $\frac{-4}{15} + (\frac{-6}{5})$ h) $\frac{-14}{25} - \frac{6}{28}$ i) $\frac{4}{7} \times \frac{7}{8}$

j) $\frac{-8}{15} + (\frac{-9}{10})$ k) $\frac{9}{12} \times (\frac{-6}{5})$ l) $\frac{7}{9} \div 8$

Q.2) Give four rational numbers equivalent to:

a) $\frac{-3}{7}$ b) $\frac{5}{-2}$ c) $\frac{8}{9}$

Q.3) Draw the number line and represent the following rational numbers on it:

a) $\frac{7}{4}$ b) $\frac{-2}{6}$ c) $-\frac{4}{6}$

Q.4) Rewrite the following rational numbers in the simplest form:

a) $\frac{49}{63}$ b) $\frac{-27}{39}$ c) $\frac{18}{45}$

Q.5) Fill in the boxes with the correct symbol out of >, <, and =.

a) $\frac{7}{4} \square \frac{13}{4}$ b) $\frac{13}{39} \square \frac{3}{9}$

Q.6) Write four more rational numbers in each of the following patterns:

a) $\frac{7}{9}, \frac{14}{18}, \frac{21}{27}, \frac{28}{36}$ b) $\frac{-2}{5}, \frac{-4}{10}, \frac{-6}{15}, \frac{-8}{20}$

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