



Name: \_\_\_\_\_

Date :

Class: 7 Div: \_\_\_\_\_

Subject: Math

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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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