

D

MATHEMATICS

CLASS VII - Worksheets

WORKSHEET OF RATIONAL NUMBERS

Q1. Represent the following on number line.

$$\frac{-7}{4}; \frac{-3}{4}; \frac{1}{4} \text{ and } \frac{5}{4}$$

Q2. Find the sum:

$$(a) \left(-2\frac{9}{10}\right) + \left(-3\frac{1}{10}\right) \quad (b) \left(-2\frac{3}{25}\right) + \left(1\frac{4}{25}\right)$$

Q3. Simplify;

$$(a) \left(\frac{-11}{9} \times \frac{12}{11}\right) + \left(\frac{-8}{9} \times \frac{-5}{16}\right) \quad (b) \left(\frac{-3}{5} \times \frac{10}{-7}\right) - \left(\frac{6}{-7} \times \frac{5}{6}\right)$$

Q4. Find the area of a rectangle whose length and breadth are $31\frac{1}{4}$ m

and $16\frac{4}{5}$ m respectively.

Q5. Evaluate:

$$\left(\frac{14}{33} \div \frac{21}{22}\right) \div \frac{-4}{9}$$

Q6. Write the following rational numbers in standard form:

$$(a) \frac{-135}{-240} \quad (b) \frac{168}{-264}$$

Q7. Find the cost of $4\frac{2}{3}$ kg sugar at the rate of Rs $36\frac{3}{7}$ per kg.

Q8. By what number should $-2\frac{1}{7}$ be divided to obtain $-2\frac{1}{2}$.