

$$50 \text{ (i)} \quad -\frac{4}{5} \times 1 = 1 \times -\frac{4}{5} = -\frac{4}{5}$$

Multiplicative identity - 1

$$\text{(ii)} \quad -\frac{13}{7} \times -\frac{2}{7} = -\frac{2}{7} \times -\frac{13}{7}$$

Commutativity - Multiplication is commutative for rational nos.

$$\text{(iii)} \quad -\frac{19}{29} \times \frac{29}{-1} = 1$$

Multiplicative inverse

$$6 \quad \text{reciprocal of } -\frac{7}{16} = -\frac{16}{7}$$

$$\begin{aligned} \text{required product} &= \frac{6}{13} \times -\frac{16}{7} \\ &= -\frac{96}{91} \end{aligned}$$

7. Associativity - Multiplication is associative for rational nos.

8. no. A no. and its multiplicative inverse have same sign.

$$9. \quad \text{Multiplicative inverse of } 3\frac{1}{3} \text{ or } \frac{10}{3}$$

$$= \frac{3}{10}$$

$$= 0.3$$

\therefore true