

EX. 3.6

Date - 7-July-2021

Q1 Find the multiplicative inverse of the following:

(a)  $\frac{5}{4}$       (b) 7      (c)  $\frac{1}{13}$       (d)  $2\frac{1}{9} = \frac{19}{9}$       (e)  $3\frac{2}{8} = \frac{26}{8}$

Ans  $\frac{4}{5}$       Ans  $\frac{1}{7}$       Ans -  $\frac{13}{1}$       Ans  $\frac{9}{19}$       Ans  $\frac{8}{26}$

Q2 - Divide

(a)  $5 \div \frac{7}{9}$

$$= \frac{5}{1} \div \frac{7}{9}$$

$$= \frac{5}{1} \times \frac{9}{7} = \frac{5 \times 9}{1 \times 7} = \frac{45}{7} = 6\frac{3}{7}$$

$$(b) \quad \frac{18}{4} \div \frac{15}{6}$$

$$\text{Sol.} \quad \frac{18}{1} \div \frac{15}{4} = \frac{18}{1} \times \frac{4}{15} = \frac{6}{1} \times \frac{4}{5} = \frac{6 \times 4}{1 \times 5} = \frac{24}{5} = 4 \frac{4}{5} \text{ Ans.}$$

$$(g) \quad \frac{19}{15} \div \frac{38}{1}$$

$$\text{Sol.} \quad \frac{19}{15} \div \frac{38}{1} = \frac{19}{15} \times \frac{1}{38} = \frac{1}{15} \times \frac{1}{2} = \frac{1 \times 1}{15 \times 2} = \frac{1}{30} \text{ Ans}$$

$$(h) \quad \frac{85}{42} \div \frac{17}{5}$$

$$\text{Sol.} \quad \frac{85}{42} \div \frac{17}{5} = \frac{85}{42} \times \frac{1}{17} = \frac{5 \times 1}{42 \times 1} = \frac{5}{42} \text{ Ans.}$$

Note: Do Q2 c, d, e, f and i parts in homework.