

Ex. 3.5

Q3. Multiply the following mixed fractions:

(a) $2\frac{3}{6} \times 4\frac{5}{9}$

$$= \frac{5}{6} \times \frac{41}{9} = \frac{5}{6} \times \frac{41}{3} = \frac{5 \times 41}{6 \times 3} = \frac{205}{18} = 11\frac{7}{18} \text{ Ans.}$$

(b) $6\frac{1}{3} \times 4\frac{5}{6} = \frac{19}{3} \times \frac{29}{6} = \frac{19 \times 29}{3 \times 6} = \frac{551}{18} = 30\frac{11}{18} \text{ Ans.}$

(c) $6\frac{3}{5} \times 2\frac{5}{3} = \frac{33}{5} \times \frac{11}{3} = \frac{11 \times 11}{5} = \frac{121}{5} = 24\frac{1}{5} \text{ Ans.}$

(d) $2\frac{1}{4} \times 1\frac{3}{5} = \frac{9}{4} \times \frac{8}{5} = \frac{9 \times 2}{5} = \frac{18}{5} = 3\frac{3}{5} \text{ Ans.}$

Note: DO (c) and (d) parts in homework.