(v) $3\frac{4}{5} + 2\frac{3}{10} + 1\frac{1}{15}$

$= \frac{19}{5} + \frac{23}{10} + \frac{16}{15}$

$= \frac{114}{30} + \frac{69}{30} + \frac{32}{30}$ [∵ LCM of 5, 10 and 15 = 30]

$= \frac{114+69+32}{30}$

$= \frac{215}{30} = 7\frac{5}{30} = 7\frac{1}{6}$

(vi) $8\frac{3}{4} + 10\frac{2}{5}$

$= \frac{35}{4} + \frac{52}{5}$

$= \frac{175}{20} + \frac{208}{20}$ [∵ LCM of 4 and 5 = 20]

$= \frac{175+208}{20}$

$= \frac{383}{20} = 19\frac{3}{20}$

Solution 06

Answer :

(i) $\frac{5}{7} - \frac{2}{7} = \frac{5-2}{7} = \frac{3}{7}$

(ii) $\frac{5}{6} - \frac{3}{4}$

$= \frac{10}{12} - \frac{9}{12}$ [∵ LCM of 6 and 4 = 12]

$$= \frac{10-9}{12}$$

$$= \frac{1}{12}$$

(iii) $3\frac{1}{5} - \frac{7}{10}$

$$= \frac{16}{5} - \frac{7}{10}$$

$$= \frac{32}{10} - \frac{7}{10} \qquad [\because \text{LCM of 5 and 10 = 10}]$$

$$= \frac{32-7}{10}$$

$$= \frac{25}{10} = \frac{5}{2} = 2\frac{1}{2}$$

(iv) $7 - 4\frac{2}{3}$

$$= \frac{7}{1} - \frac{14}{3}$$

$$= \frac{21-14}{3} \qquad [\because \text{LCM of 1 and 3 = 3}]$$

$$= \frac{7}{3} = 2\frac{1}{3}$$

(v) $3\frac{3}{10} - 1\frac{7}{15}$

$$= \frac{33}{10} - \frac{22}{15}$$

$$= \frac{99-44}{30} \qquad [\because \text{LCM of 10 and 15 = 30}]$$

$$= \frac{55}{30} = \frac{11}{6} = 1\frac{5}{6}$$

********** END *********