Exercise 2A

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

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

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

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

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

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

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

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

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

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

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

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

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

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