



Fractions Ex 2.1 Q5

**Answer :**

(i)

$$\frac{5}{8} + \frac{3}{10}$$

*LCM of 8, 10 is 40.*

$$\Rightarrow \frac{(5 \times 5) + (3 \times 4)}{40} = \frac{37}{40}$$

(ii)

$$4\frac{3}{4} + 9\frac{2}{5} \text{ or } \frac{(4 \times 4) + 3}{4} + \frac{(9 \times 5) + 2}{5}$$

$$\Rightarrow \frac{19}{4} + \frac{47}{5}$$

*LCM of 5, 4 is 20.*

$$\frac{(19 \times 5) + (47 \times 4)}{20} = \frac{283}{20}$$

(iii)

$$\frac{5}{6} + 3 + \frac{3}{4}$$

*LCM of 6, 4 is 24.*

$$\frac{(5 \times 4) + (3 \times 24) + (3 \times 6)}{24} = \frac{110}{24}$$

(iv)

$$2\frac{3}{5} + 4\frac{7}{10} + 2\frac{4}{15} \text{ or } \frac{(2 \times 5) + 3}{5} + \frac{(4 \times 10) + 7}{10} + \frac{(2 \times 15) + 4}{15}$$
$$\Rightarrow \frac{13}{5} + \frac{47}{10} + \frac{34}{15}$$

***LCM of 15, 10 and 5 is 30.***

$$\frac{(13 \times 6) + (47 \times 3) + (34 \times 2)}{30} = \frac{287}{30}$$

Fractions Ex 2.1 Q6

**Answer :**

(i)

$$\frac{13}{24} - \frac{7}{16}$$

*LCM of 24 and 16 is 48.*

$$\frac{(13 \times 2) - (7 \times 3)}{48} = \frac{5}{48}$$

(ii)

$$\frac{23}{3} - 6$$

*LCM of 3 and 1 is 3.*

$$\frac{(23 \times 1) - (6 \times 3)}{3} = \frac{5}{3}$$

(iii)

$$\frac{18}{20} - \frac{21}{25}$$

*LCM of 20, 25 is 100.*

$$\Rightarrow \frac{(18 \times 5) - (21 \times 4)}{100} = \frac{6}{100} = \frac{3}{50}$$

(iv)

$$3\frac{3}{10} - 2\frac{7}{15} \Leftrightarrow \frac{(3 \times 10) + 3}{10} - \frac{(2 \times 15) + 7}{15} \Leftrightarrow \frac{33}{10} - \frac{37}{15}$$

*LCM of 10 and 15 is 30.*

$$\frac{(33 \times 3) - (37 \times 2)}{30} = \frac{25}{30} \Leftrightarrow \frac{5}{6}$$

\*\*\*\*\*END\*\*\*\*\*