

2. Add $\frac{5}{9} + \frac{1}{3} + \frac{5}{6}$

Sol Find LCM of 9, 3 and 6

$$\frac{5}{9} = \frac{5 \times 2}{9 \times 2} = \frac{10}{18}$$

$$\frac{1}{3} = \frac{1 \times 6}{3 \times 6} = \frac{6}{18}$$

$$\frac{5}{6} = \frac{5 \times 3}{6 \times 3} = \frac{15}{18}$$

$$\therefore \frac{5}{9} + \frac{1}{3} + \frac{5}{6} = \frac{10+6+15}{18} = \frac{31}{18}$$

$$\begin{array}{r|l} 3 & 9, 3, 6 \\ & 3, 1, 2 \end{array}$$

$$3 \times 3 \times 2 = 18$$

① LCM of 30, 45 and 60

$$\begin{array}{r|l} 5 & 30, 45, 60 \end{array}$$

$$\begin{array}{r|l} 3 & 6, 9, 12 \end{array}$$

$$\begin{array}{r|l} 2 & 2, 3, 4 \end{array}$$

$$\begin{array}{r|l} & 1, 3, 2 \end{array}$$

$$5 \times 3 \times 2 \times 3 \times 2 = 180$$

$$\therefore 30, 45 \text{ and } 60 \text{ is } 180$$