

NCERT Solutions by Dev Anoop (Bathinda)

$$\begin{aligned}
 1. \quad & -\frac{2}{3} \times \frac{3}{5} + \frac{5}{2} - \frac{3}{5} \times \frac{1}{6} \\
 & = -\frac{2}{3} \times \frac{3}{5} - \frac{3}{5} \times \frac{1}{6} + \frac{5}{2} \\
 & = \frac{3}{5} \left( -\frac{2}{3} - \frac{1}{6} \right) + \frac{5}{2} \\
 & = \frac{3}{5} \left( \frac{-4-1}{6} \right) + \frac{5}{2} \\
 & = \frac{\cancel{3}}{\cancel{5}} \times \frac{-\cancel{5}}{\cancel{6}_2} + \frac{5}{2} \\
 & = -\frac{1}{2} + \frac{5}{2} \\
 & = \frac{-1+5}{2} \\
 & = \frac{4}{2} \\
 & = 2
 \end{aligned}$$

$$\begin{aligned}
 10 \quad & \frac{2}{5} \times \left( -\frac{3}{7} \right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5} \\
 & = \frac{2}{5} \times -\frac{3}{7} + \frac{1}{14} \times \frac{2}{5} - \frac{1}{\cancel{6}_2} \times \frac{\cancel{3}^1}{2} \\
 & = \frac{2}{5} \left( -\frac{3}{7} + \frac{1}{14} \right) - \frac{1}{4} \\
 & = \frac{2}{5} \left( \frac{-6+1}{14} \right) - \frac{1}{4} \\
 & = \frac{\cancel{2}}{\cancel{5}} \times \frac{-\cancel{5}}{\cancel{14}_7} - \frac{1}{4}
 \end{aligned}
 \quad \left| \quad \begin{aligned}
 & = -\frac{1}{7} - \frac{1}{4} \\
 & = \frac{-4-7}{28} \\
 & = \frac{-11}{28}
 \end{aligned}
 \right.$$

NCERT Solutions by Dev Anoop (Bathinda)