

1.

$$\begin{aligned}\frac{2}{2} + \frac{6}{2} &= \frac{2+6}{2} \\ &= \frac{8}{2} \\ &= \frac{\cancel{2} \times 4}{\cancel{2} \times 1} \\ &= \frac{4}{1} \\ &= 4\end{aligned}$$

2.

$$\begin{aligned}\frac{-10}{6} + \frac{2}{18} &= \frac{-10 \times 3}{6 \times 3} + \frac{2}{18} \\ &= \frac{-30+2}{18} \\ &= \frac{-28}{18} \\ &= -\frac{\cancel{2} \times 14}{\cancel{2} \times 9} \\ &= -\frac{14}{9} \\ &= -1\frac{5}{9}\end{aligned}$$

3.

$$\begin{aligned}\frac{13}{2} + \frac{-6}{7} &= \frac{13 \times 7}{2 \times 7} - \frac{6 \times 2}{7 \times 2} \\ &= \frac{91-12}{14} \\ &= \frac{79}{14} \\ &= 5\frac{9}{14}\end{aligned}$$