

1.

$$\begin{aligned}\frac{5}{-18} - \frac{-13}{-7} &= \frac{-5 \times 7}{18 \times 7} - \frac{13 \times 18}{7 \times 18} \\&= \frac{-35 - 234}{126} \\&= \frac{-269}{126} \\&= -\frac{269}{126} \\&= -2\frac{17}{126}\end{aligned}$$

2.

$$\begin{aligned}\frac{-8}{20} - \frac{14}{4} &= \frac{-8}{20} - \frac{14 \times 5}{4 \times 5} \\&= \frac{-8 - 70}{20} \\&= \frac{-78}{20} \\&= -\frac{\cancel{2} \times 39}{\cancel{2} \times 10} \\&= -\frac{39}{10} \\&= -3\frac{9}{10}\end{aligned}$$

3.

$$\begin{aligned}\frac{12}{8} - \frac{-15}{14} &= \frac{12 \times 7}{8 \times 7} + \frac{15 \times 4}{14 \times 4} \\&= \frac{84 + 60}{56} \\&= \frac{144}{56} \\&= \frac{\cancel{8} \times 18}{\cancel{8} \times 7} \\&= \frac{18}{7} \\&= 2\frac{4}{7}\end{aligned}$$