

$$42 \text{ a. } \frac{4}{5} - \frac{7}{6} = \frac{4 \times 6}{5 \times 6} - \frac{7 \times 5}{6 \times 5} = \frac{24}{30} - \frac{35}{30} = \frac{-11}{30}$$

$$\text{b. } \frac{4}{3} \times \frac{15}{2} = \frac{2 \times 2 \times 5 \times 3}{3 \times 2} = 10$$

$$\text{c. } \frac{\frac{3}{35}}{\frac{3}{14}} = \frac{3}{35} \times \frac{14}{3} = \frac{3 \times 2 \times 7}{7 \times 5 \times 3} = \frac{2}{5}$$