

$$\frac{4}{7} \times \frac{3}{2} = \frac{12}{14} = \frac{6}{7}$$

$$\frac{-2}{8} \times \frac{3}{4} = \frac{-6}{32} = \frac{-3}{16}$$

$$\frac{5}{3} : \frac{2}{9} = \frac{5}{3} \times \frac{9}{2} = \frac{45}{6} = \frac{15}{2}$$

$$\frac{-2}{6} : \frac{5}{-4} = \frac{-2}{6} \times \frac{-4}{5} = \frac{(-2) \times (-4)}{6 \times 5} = \frac{8}{30} = \frac{4}{15}$$