

Division:

$$\frac{1}{2} : \frac{1}{2} = \frac{1}{2} * \frac{2}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{1}{3} : \frac{1}{3} = \frac{1}{3} * \frac{3}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{2}{3} : \frac{1}{2} = \frac{2}{3} * \frac{2}{1} = \frac{4}{3} = 1\frac{1}{3}$$

$$\frac{3}{4} : \frac{6}{8} = \frac{3}{4} * \frac{8}{6} = \frac{3}{1} * \frac{2}{6} = \frac{1}{1} * \frac{2}{2} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{4}{8} : \frac{3}{6} = \frac{4}{8} * \frac{6}{3} = \frac{1}{2} * \frac{2}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{7}{12} : \frac{3}{8} = \frac{7}{12} * \frac{8}{3} = \frac{7}{3} * \frac{2}{3} = \frac{14}{9} = 1\frac{5}{9}$$

$$\frac{6}{14} : \frac{18}{7} = \frac{6}{14} * \frac{7}{18} = \frac{6}{2} * \frac{1}{18} = \frac{1}{2} * \frac{1}{3} = \frac{1}{6}$$

$$\frac{5}{20} : \frac{4}{16} = \frac{5}{20} * \frac{16}{4} = \frac{1}{4} * \frac{16}{4} = \frac{1}{4} * \frac{4}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{17}{25} : \frac{34}{40} = \frac{17}{25} * \frac{40}{34} = \frac{1}{25} * \frac{40}{2} = \frac{1}{5} * \frac{8}{2} = \frac{1}{5} * \frac{4}{1} = \frac{4}{5}$$

$$\frac{19}{121} : \frac{38}{99} = \frac{19}{121} * \frac{99}{38} = \frac{1}{121} * \frac{99}{2} = \frac{1}{11} * \frac{9}{2} = \frac{9}{22}$$

$$\frac{123}{246} : \frac{4}{8} = \frac{123}{246} * \frac{8}{4} = \frac{123}{246} * \frac{2}{1} = \frac{1}{2} * \frac{2}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$

$$\frac{41}{123} : \frac{23}{69} = \frac{41}{123} * \frac{69}{23} = \frac{41}{123} * \frac{3}{1} = \frac{1}{3} * \frac{3}{1} = \frac{1}{1} * \frac{1}{1} = \frac{1}{1} = 1$$