

Division:

$$\frac{5}{9} : \frac{3}{5} = \frac{5}{9} * \frac{5}{3} = \frac{25}{27}$$

$$\frac{9}{7} : \frac{44}{33} = \frac{9}{7} * \frac{33}{44} = \frac{9}{7} * \frac{3}{4} = \frac{27}{28}$$

$$\frac{44}{12} : \frac{12}{7} = \frac{44}{12} * \frac{7}{12} = \frac{11}{3} * \frac{7}{12} = \frac{77}{36} = 2 \frac{5}{36}$$

$$\frac{64}{9} : \frac{4}{3} = \frac{64}{9} * \frac{3}{4} = \frac{64}{3} * \frac{1}{4} = \frac{16}{3} * \frac{1}{1} = \frac{16}{3} = 5 \frac{1}{3}$$

$$\frac{114}{17} : \frac{9}{5} = \frac{114}{17} * \frac{5}{9} = \frac{114}{17} * \frac{5}{9} = \frac{38}{17} * \frac{5}{3} = \frac{190}{51} = 3 \frac{37}{51}$$

$$\frac{19}{20} : \frac{21}{34} = \frac{19}{20} * \frac{34}{21} = \frac{19}{10} * \frac{17}{21} = \frac{323}{210} = 1 \frac{113}{210}$$

$$\frac{16}{33} : \frac{12}{44} = \frac{16}{33} * \frac{44}{12} = \frac{16}{3} * \frac{4}{12} = \frac{4}{3} * \frac{4}{3} = \frac{16}{9} = 1 \frac{7}{9}$$

$$\frac{45}{42} : \frac{15}{7} = \frac{45}{42} * \frac{7}{15} = \frac{3}{42} * \frac{7}{1} = \frac{3}{6} * \frac{1}{1} = \frac{1}{2} * \frac{1}{1} = \frac{1}{2}$$

$$\frac{132}{38} : \frac{74}{57} = \frac{132}{38} * \frac{57}{74} = \frac{132}{2} * \frac{3}{74} = \frac{132}{2} * \frac{3}{74} = \frac{66}{2} * \frac{3}{37} = \frac{33}{1} * \frac{3}{37} = \frac{99}{37} = 2 \frac{25}{37}$$

$$\frac{51}{11} : \frac{17}{121} = \frac{51}{11} * \frac{121}{17} = \frac{51}{1} * \frac{11}{17} = \frac{3}{1} * \frac{11}{1} = \frac{33}{1} = 33$$

$$\frac{256}{32} : \frac{20}{80} = \frac{256}{32} * \frac{80}{20} = \frac{256}{32} * \frac{4}{1} = \frac{256}{8} * \frac{1}{1} = \frac{32}{1} * \frac{1}{1} = \frac{32}{1} = 32$$

$$\frac{119}{68} : \frac{102}{51} = \frac{119}{68} * \frac{51}{102} = \frac{119}{68} * \frac{1}{2} = \frac{119}{68} * \frac{1}{2} = \frac{7}{4} * \frac{1}{2} = \frac{7}{8}$$