

Multiplikation:

$$\frac{6}{36} * \frac{8}{48} = \frac{1}{6} * \frac{1}{6} = \frac{1}{36}$$

$$\frac{25}{76} * \frac{24}{30} = \frac{5}{19} * \frac{6}{6} = \frac{5}{19} * \frac{1}{1} = \frac{5}{19}$$

$$\frac{11}{37} * \frac{148}{143} = \frac{11}{1} * \frac{4}{143} = \frac{1}{1} * \frac{4}{13} = \frac{4}{13}$$

$$\frac{72}{31} * \frac{124}{108} = \frac{72}{31} * \frac{31}{27} = \frac{72}{1} * \frac{1}{27} = \frac{72}{27} = \frac{8}{3} = 2\frac{2}{3}$$

Division:

$$\frac{13}{23} : \frac{10}{46} = \frac{13}{23} * \frac{46}{10} = \frac{13}{1} * \frac{2}{10} = \frac{13}{1} * \frac{1}{5} = \frac{13}{5} = 2\frac{3}{5}$$

$$\frac{59}{71} : \frac{21}{34} = \frac{59}{71} * \frac{34}{21} = \frac{2006}{1491} = 1\frac{515}{1491}$$

$$\frac{19}{42} : \frac{12}{49} = \frac{19}{42} * \frac{49}{12} = \frac{19}{6} * \frac{7}{12} = \frac{133}{72} = 1\frac{61}{72}$$

$$\frac{8}{44} : \frac{4}{84} = \frac{8}{44} * \frac{84}{4} = \frac{2}{11} * \frac{21}{1} = \frac{42}{11} = 3\frac{9}{11}$$

Gemischte Aufgaben:

$$\frac{18}{5} - \frac{13}{12} * \frac{4}{8} + \frac{13}{30} = \frac{108}{30} - \frac{13}{12} * \frac{1}{2} + \frac{13}{30} = \frac{121}{30} - \frac{13}{24} = \frac{484}{120} - \frac{65}{120} = \frac{419}{120} = 3\frac{59}{120}$$

$$\frac{22}{7} * \frac{7}{9} * \frac{4}{33} + \frac{2}{9} = \frac{2}{1} * \frac{1}{9} * \frac{4}{3} + \frac{2}{9} = \frac{8}{27} + \frac{6}{27} = \frac{14}{27}$$

$$\frac{63}{7} * \frac{5}{9} - \frac{2}{3} + \frac{4}{7} = \frac{9}{1} * \frac{5}{9} - \frac{14}{21} + \frac{12}{21} = \frac{1}{1} * \frac{5}{1} - \frac{2}{21} = 5 - \frac{2}{21} = 4\frac{19}{21}$$

$$\frac{121}{11} * \frac{15}{105} * \frac{7}{22} + \frac{3}{5} * \frac{25}{12} = \frac{11}{1} * \frac{1}{7} * \frac{7}{22} + \frac{1}{1} * \frac{5}{4} = \frac{1}{1} * \frac{1}{1} * \frac{1}{2} + \frac{1}{1} * \frac{5}{4} = \frac{1}{2} + \frac{5}{4} = \frac{2}{4} + \frac{5}{4} = \frac{7}{4} = 1\frac{3}{4}$$