

Gemischte Aufgaben:

$$\frac{37}{74} * \frac{33}{42} + \frac{4}{80} = \frac{1}{2} * \frac{11}{14} + \frac{1}{20} = \frac{11}{28} + \frac{1}{20} = \frac{55}{140} + \frac{7}{140} = \frac{62}{140} = \frac{31}{70}$$

$$\frac{85}{14} + \frac{91}{28} - \frac{23}{42} * \frac{3}{46} = \frac{170}{28} + \frac{91}{28} - \frac{1}{14} * \frac{1}{2} = \frac{261}{28} - \frac{1}{28} = \frac{260}{28} = \frac{65}{7} = 9\frac{2}{7}$$

$$\frac{14}{82} + \frac{45}{89} * \frac{9}{10} = \frac{7}{41} + \frac{9}{89} * \frac{9}{2} = \frac{7}{41} + \frac{81}{178} = \frac{1246}{7298} + \frac{3321}{7298} = \frac{4567}{7298}$$

$$\frac{50}{16} + \frac{89}{18} - \frac{18}{78} = \frac{25}{8} + \frac{89}{18} - \frac{3}{13} = \frac{225}{72} + \frac{356}{72} - \frac{3}{13} = \frac{581}{72} - \frac{3}{13} = \frac{7553}{936} - \frac{216}{936} = \frac{7337}{936} = 7\frac{785}{936}$$

$$\frac{3}{8} * \frac{12}{6} - \frac{3}{12} + \frac{8}{19} = \frac{3}{8} * \frac{2}{1} - \frac{1}{4} + \frac{8}{19} = \frac{3}{4} * \frac{1}{1} - \frac{1}{4} + \frac{8}{19} = \frac{3}{4} - \frac{1}{4} + \frac{8}{19} = \frac{2}{4} + \frac{8}{19} = \frac{1}{2} + \frac{8}{19} = \frac{19}{38} + \frac{16}{38} = \frac{35}{38}$$

$$\frac{49}{7} - \frac{10}{81} + \frac{7}{9} * \frac{6}{3} = \frac{7}{1} - \frac{10}{81} + \frac{7}{9} * \frac{2}{1} = \frac{7}{1} - \frac{10}{81} + \frac{14}{9} = 7 - \frac{10}{81} + \frac{126}{81} = 7 + \frac{116}{81} = 7 + 1\frac{35}{81} = 8\frac{35}{81}$$

$$\frac{40}{21} * \frac{7}{9} + \frac{4}{49} = \frac{40}{3} * \frac{1}{9} + \frac{4}{49} = \frac{40}{27} + \frac{4}{49} = \frac{1960}{1323} + \frac{108}{1323} = \frac{2068}{1323} = 1\frac{745}{1323}$$

$$\frac{25}{36} - \frac{14}{20} * \frac{33}{4} * \frac{7}{8} = \frac{25}{36} - \frac{7}{10} * \frac{33}{4} * \frac{7}{8} = \frac{25}{36} - \frac{1617}{320} = \frac{8000}{11520} - \frac{58212}{11520} = -\frac{50212}{11520} = -\frac{12553}{2880} = -4\frac{1033}{2880}$$

$$\frac{19}{34} : \frac{4}{5} - \frac{19}{72} + \frac{1}{4} = \frac{19}{34} * \frac{5}{4} - \frac{19}{72} + \frac{18}{72} = \frac{95}{136} - \frac{1}{72} = \frac{855}{1224} - \frac{17}{1224} = \frac{838}{1224} = \frac{419}{612}$$

$$\frac{1}{6} - \frac{6}{4} + \frac{16}{22} * \frac{8}{9} = \frac{1}{6} - \frac{3}{2} + \frac{8}{11} * \frac{8}{9} = \frac{1}{6} - \frac{9}{6} + \frac{64}{99} = -\frac{8}{6} + \frac{64}{99} = -\frac{4}{3} + \frac{64}{99} = -\frac{132}{99} + \frac{64}{99} = -\frac{68}{99}$$

$$\frac{20}{25} + \frac{4}{9} * \frac{19}{38} + \frac{1}{2} - \frac{1}{4} = \frac{4}{5} + \frac{4}{9} * \frac{1}{2} + \frac{2}{4} - \frac{1}{4} = \frac{16}{20} + \frac{2}{9} * \frac{1}{1} + \frac{5}{20} = \frac{21}{20} + \frac{2}{9} = \frac{189}{180} + \frac{40}{180} = \frac{229}{180} = 1\frac{49}{180}$$

$$\frac{10}{30} : \frac{5}{25} + \frac{50}{100} * \frac{6}{20} = \frac{10}{30} * \frac{25}{5} + \frac{1}{2} * \frac{3}{10} = \frac{1}{3} * \frac{5}{1} + \frac{3}{20} = \frac{5}{3} + \frac{3}{20} = \frac{100}{60} + \frac{9}{60} = \frac{109}{60} = 1\frac{49}{60}$$