

Gemischte Aufgaben:

$$\frac{16}{10} * \frac{6}{3} + \frac{34}{44} - \frac{3}{1} = \frac{8}{5} * \frac{2}{1} + \frac{17}{22} - \frac{66}{22} = \frac{16}{5} - \frac{49}{22} = \frac{352}{110} - \frac{245}{110} = \frac{107}{110}$$

$$\frac{32}{12} + \frac{12}{14} * \frac{22}{121} + \frac{3}{4} = \frac{32}{12} + \frac{6}{7} * \frac{2}{11} + \frac{9}{12} = \frac{41}{12} + \frac{12}{77} = \frac{3157}{924} + \frac{144}{924} = \frac{3301}{924} = 3 \frac{529}{924}$$

$$\frac{26}{21} * \frac{4}{5} - \frac{3}{9} = \frac{26}{21} * \frac{4}{5} - \frac{1}{3} = \frac{104}{105} - \frac{1}{3} = \frac{104}{105} - \frac{35}{105} = \frac{69}{105} = \frac{23}{35}$$

$$\begin{aligned} \frac{34}{35} + \frac{2}{8} + \frac{10}{44} * \frac{1}{4} &= \frac{34}{35} + \frac{1}{4} + \frac{5}{22} * \frac{1}{4} = \frac{136}{140} + \frac{35}{140} + \frac{5}{88} = \frac{171}{140} + \frac{5}{88} = \frac{15048}{12320} + \frac{700}{12320} = \frac{15748}{12320} \\ &= \frac{3937}{3080} = 1 \frac{857}{3080} \end{aligned}$$

$$\frac{28}{34} + \frac{60}{7} * \frac{46}{60} = \frac{14}{17} + \frac{1}{7} * \frac{46}{1} = \frac{14}{17} + \frac{46}{7} = \frac{98}{119} + \frac{782}{119} = \frac{880}{119} = 7 \frac{47}{119}$$

$$\frac{32}{16} * \frac{20}{28} + \frac{21}{4} = \frac{2}{1} * \frac{5}{7} + \frac{21}{4} = \frac{10}{7} + \frac{21}{4} = \frac{40}{28} + \frac{147}{28} = \frac{187}{28} = 6 \frac{19}{28}$$

$$\begin{aligned} \frac{14}{50} + \frac{44}{86} : \frac{4}{2} - \frac{1}{4} &= \frac{7}{25} + \frac{44}{86} * \frac{2}{4} - \frac{1}{4} = \frac{7}{25} + \frac{11}{43} * \frac{1}{1} - \frac{1}{4} = \frac{7}{25} + \frac{11}{43} - \frac{1}{4} = \frac{301}{1075} + \frac{275}{1075} - \frac{1}{4} \\ &= \frac{576}{1075} - \frac{1}{4} = \frac{2304}{4300} - \frac{1075}{4300} = \frac{1229}{4300} \end{aligned}$$

$$\frac{105}{98} : \frac{12}{51} - \frac{3}{7} = \frac{105}{98} * \frac{51}{12} - \frac{3}{7} = \frac{15}{14} * \frac{17}{4} - \frac{3}{7} = \frac{255}{56} - \frac{3}{7} = \frac{255}{56} - \frac{24}{56} = \frac{231}{56} = \frac{33}{8} = 4 \frac{1}{8}$$

$$\begin{aligned} \frac{41}{40} : \frac{12}{15} + \frac{33}{74} - \frac{22}{42} &= \frac{41}{40} * \frac{12}{15} + \frac{33}{74} - \frac{22}{42} = \frac{41}{40} * \frac{4}{5} + \frac{33}{74} - \frac{11}{21} = \frac{41}{10} * \frac{1}{5} + \frac{693}{1554} - \frac{814}{1554} \\ &= \frac{41}{50} - \frac{121}{1554} = \frac{63714}{77700} - \frac{6050}{77700} = \frac{57664}{77700} = \frac{14416}{19425} \end{aligned}$$

$$\frac{87}{36} - \frac{74}{4} * \frac{21}{6} = \frac{29}{12} - \frac{37}{2} * \frac{7}{2} = \frac{29}{12} - \frac{259}{4} = \frac{29}{12} - \frac{777}{12} = -\frac{748}{12} = -\frac{187}{3} = -62 \frac{1}{3}$$

$$\frac{7}{4} * \frac{5}{11} + \frac{16}{10} - \frac{1}{2} = \frac{35}{44} + \frac{16}{10} - \frac{5}{10} = \frac{35}{44} + \frac{11}{10} = \frac{175}{220} + \frac{242}{220} = \frac{417}{220} = 1 \frac{197}{220}$$

$$\frac{16}{22} : \frac{2}{6} * \frac{17}{34} - \frac{3}{6} = \frac{16}{22} * \frac{6}{2} * \frac{17}{34} - \frac{3}{6} = \frac{8}{11} * \frac{3}{1} * \frac{1}{2} - \frac{3}{6} = \frac{4}{11} * \frac{3}{1} * \frac{1}{1} - \frac{3}{6} = \frac{12}{11} - \frac{3}{6} = \frac{72}{66} - \frac{33}{66} = \frac{39}{66} = \frac{13}{22}$$