

Zlomky – příklady II.

$$1. \quad a) \quad \frac{3}{4} + \frac{5}{6} = \frac{9+10}{12} = \frac{19}{12} = \underline{\underline{1\frac{7}{12}}}$$

$$b) \quad \frac{3}{5} - \frac{2}{7} = \frac{21-10}{35} = \underline{\underline{\frac{11}{35}}}$$

$$c) \quad -\frac{4}{5} + \frac{1}{10} = \frac{-8+1}{10} = \underline{\underline{-\frac{7}{10}}}$$

$$d) \quad -\frac{3}{8} - \frac{1}{4} = \frac{-3-2}{8} = \underline{\underline{-\frac{5}{8}}}$$

$$2. \quad a) \quad \frac{14}{25} \cdot \frac{15}{40} = \frac{7}{5} \cdot \frac{3}{20} = \underline{\underline{\frac{21}{100}}}$$

$$b) \quad -\frac{13}{15} \cdot \left(-\frac{5}{26}\right) = \frac{1}{3} \cdot \frac{1}{2} = \underline{\underline{\frac{1}{6}}}$$

$$c) \quad \frac{4}{9} : \frac{1}{18} = \frac{4}{9} \cdot \frac{18}{1} = \frac{4}{1} \cdot \frac{2}{1} = \frac{8}{1} = \underline{\underline{8}}$$

$$d) \quad -\frac{14}{15} : 1\frac{2}{3} = -\frac{14}{15} : \frac{5}{3} = -\frac{14}{15} \cdot \frac{3}{5} = -\frac{14}{5} \cdot \frac{1}{5} = \underline{\underline{-\frac{14}{25}}}$$

$$3. \quad a) \quad \left(3\frac{1}{2} - 2\frac{3}{5}\right) : \frac{109}{110} = \left(1 + \frac{5-6}{10}\right) : \frac{109}{110} = \left(1 - \frac{1}{10}\right) \cdot \frac{110}{109} = \frac{9}{10} \cdot \frac{110}{109} = \frac{9}{1} \cdot \frac{11}{109} = \underline{\underline{\frac{99}{109}}}$$

$$b) \quad 4\frac{1}{2} - 3\frac{1}{5} : \left(-1\frac{1}{4}\right) = \frac{9}{2} + \frac{16}{5} : \frac{5}{4} = \frac{9}{2} + \frac{16}{5} \cdot \frac{4}{5} = \frac{9}{2} + \frac{64}{25} = \frac{225+128}{50} = \frac{353}{50} = \underline{\underline{7\frac{3}{50}}}$$