Řešení

Zlomky

3. Kombinované příklady

$\left(\frac{2}{3}-\frac{3}{6}\right)\cdot\frac{12}{2}=\frac{4\cdot3}{6_1}\cdot\frac{12^{2}}{2}=1$

$\left(\frac{5}{4}+\frac{4}{12}\right):\frac{5}{6}=\frac{15+4}{12_2}\cdot\frac{6^{1}}{5}=\frac{19}{10}$

$\left(\frac{5}{3}:\frac{4}{6}\right)\cdot\frac{4}{5}=\left(\frac{5}{3_1}\cdot\frac{6^{2}}{4}\right)\cdot\frac{4}{5}=\frac{10^{2}}{4_1}\cdot\frac{4^{1}}{5_1}=2$

$\left(\frac{6}{7}-\frac{5}{14}+\frac{8}{28}\right)\cdot\frac{7}{6}=\left(\frac{24-10+8}{28}\right)\cdot\frac{7}{6}=\frac{22^{11}}{28_4}\cdot\frac{7^{1}}{6_3}=\frac{11}{12}$

$\left(\frac{7}{8}\cdot\frac{4}{28}\right):\frac{5}{32}=\left(\frac{7^{1}}{8_2}\cdot\frac{4^{1}}{28_4}\right)\cdot\frac{32}{5}=\frac{32}{40}=\frac{4}{5}$

$\left(\frac{9}{10}-\frac{4}{5}+\frac{8}{20}\right):\frac{7}{40}=\left(\frac{18-16+8}{20}\right)\cdot\frac{40}{7}=\frac{10^{1}}{20_2}\cdot\frac{40}{7}=\frac{40}{14}=\frac{20}{7}$