

1.8. Složené zlomky - procvičování

1. Vypočítej, čemu jsou rovny dané složené zlomky (zjednoduš je):

$$\frac{\frac{5}{6}}{\frac{2}{9}} = \frac{\frac{3}{8}}{\frac{5}{6}} = \frac{\frac{3}{4}}{\frac{1}{10}} = \frac{\frac{4}{6}}{\frac{1}{3}} = \frac{\frac{10}{3}}{\frac{6}{10}} = \frac{\frac{1}{2}}{\frac{5}{8}} = \frac{\frac{3}{12}}{\frac{6}{8}} = \frac{\frac{7}{11}}{\frac{4}{11}} = \frac{\frac{6}{12}}{\frac{4}{6}} = \frac{\frac{3}{12}}{\frac{2}{3}} = \frac{\frac{6}{12}}{\frac{4}{6}} = \frac{\frac{9}{12}}{\frac{3}{6}} = \frac{\frac{11}{12}}{\frac{4}{6}} = \frac{\frac{9}{3}}{\frac{6}{6}} =$$

$$\frac{\frac{4}{6}}{\frac{2}{12}} = \frac{\frac{3}{4}}{\frac{4}{12}} = \frac{\frac{3}{7}}{\frac{9}{14}} = \frac{\frac{3}{6}}{\frac{2}{6}} = \frac{\frac{6}{9}}{\frac{3}{11}} = \frac{\frac{3}{8}}{\frac{5}{4}} = \frac{\frac{3}{5}}{\frac{3}{5}} = \frac{\frac{10}{12}}{\frac{2}{5}} = \frac{\frac{9}{10}}{\frac{1}{7}} = \frac{\frac{8}{9}}{\frac{5}{10}} = \frac{\frac{11}{12}}{\frac{2}{5}} = \frac{\frac{4}{2}}{\frac{5}{5}} =$$

$$\frac{\frac{9}{10}}{\frac{1}{5}} = \frac{\frac{1}{2}}{\frac{2}{9}} = \frac{\frac{3}{4}}{\frac{4}{12}} = \frac{\frac{4}{12}}{\frac{6}{9}} = \frac{\frac{10}{12}}{\frac{2}{5}} = \frac{\frac{1}{2}}{\frac{1}{2}} = \frac{\frac{3}{12}}{\frac{2}{3}} = \frac{\frac{1}{2}}{\frac{4}{9}} = \frac{\frac{2}{7}}{\frac{2}{3}} = \frac{\frac{1}{4}}{\frac{11}{12}} = \frac{\frac{1}{2}}{\frac{1}{3}} = \frac{\frac{8}{15}}{\frac{16}{25}} =$$

2. Vypočítej, čemu jsou rovny dané složené zlomky obsahující smíšená, přirozená nebo desetinná čísla (zjednoduš je):

$$\frac{7\frac{3}{6}}{\frac{1}{5}} = \frac{2\frac{7}{9}}{\frac{3}{4}} = \frac{1,2}{\frac{3}{2}} = \frac{6\frac{1}{6}}{\frac{6}{8}} = \frac{9\frac{3}{9}}{1\frac{3}{6}} = \frac{8\frac{4}{6}}{2,5} = \frac{2\frac{1}{6}}{6\frac{6}{9}} = \frac{5\frac{6}{7}}{\frac{2}{3}} = \frac{0,09}{1\frac{1}{8}} =$$

$$\frac{8\frac{6}{8}}{3\frac{2}{4}} = \frac{3\frac{3}{4}}{1,5} = \frac{9\frac{4}{5}}{4,4} = \frac{3,5}{1\frac{2}{3}} = \frac{4\frac{1}{8}}{11} = \frac{1\frac{7}{8}}{0,5} = \frac{15}{0,15 \cdot 24} = \frac{3\frac{5}{7}}{\frac{2}{8}} = \frac{9,3}{1,5} =$$

3. Vypočítej, čemu jsou rovny dané složené zlomky obsahující i další matematické operace (nejprve si urči hodnotu čitatele a jmenovatele):

$$\frac{\frac{3}{4} - \frac{1}{2}}{1\frac{1}{8}} = \frac{\frac{5}{4} - \frac{1}{2}}{\frac{4}{5} - \frac{3}{10}} = \frac{\frac{5}{6} \cdot \frac{12}{15}}{\frac{1}{3} + \frac{3}{5}} = \frac{7 + \frac{1}{2}}{\frac{3}{4} + \frac{1}{2}} = \frac{4\frac{1}{6} - 1,5}{1,5 + \frac{1}{6}} = \frac{1 \cdot 4 \cdot 15}{\frac{2}{3} + \frac{5}{6} + \frac{1}{2}} =$$

$$\frac{4 \cdot \frac{2}{3} - 3\frac{1}{3}}{1\frac{1}{2} \cdot 2\frac{2}{3}} = \frac{1\frac{2}{3} + 2\frac{5}{6}}{3\frac{3}{4} - 1\frac{1}{2}} = \frac{\frac{3}{4} - \frac{1}{2} + \frac{2}{3}}{1\frac{5}{6} \cdot \frac{2}{3}} = \frac{4 \cdot \frac{5}{8}}{1\frac{1}{9} : \frac{2}{3}} = \frac{2\frac{2}{3} - \frac{24}{25}}{1\frac{1}{9} - \frac{16}{15}} = \frac{1,2 - \frac{2}{9}}{2,1 - \frac{4}{15}} =$$