

Rozširovanie a krátenie zlomkov

1. Rozšír zlomky tak, aby mali rovnakého menovateľa

$$\frac{1}{2} \quad \frac{2}{3} \qquad \frac{2}{4} \quad \frac{7}{5}$$

$$\frac{3}{8} \quad \frac{1}{6} \qquad \frac{3}{12} \quad \frac{1}{4}$$

2. Dopln, aby platila rovnosť

$$\frac{7}{9} = \frac{21}{\quad} \quad \frac{3}{14} = \frac{6}{\quad} \quad \frac{6}{20} = \frac{30}{\quad}$$

$$\frac{5}{3} = \frac{20}{\quad} \quad \frac{1}{9} = \frac{8}{\quad} \quad \frac{4}{5} = \frac{32}{\quad}$$

$$\frac{6}{8} = \frac{42}{\quad} \quad \frac{12}{10} = \frac{24}{\quad} \quad \frac{9}{15} = \frac{18}{\quad}$$

3. Dopln, aby platila rovnosť

$$\frac{3}{4} = \frac{\quad}{12} \quad \frac{1}{5} = \frac{\quad}{20} \quad \frac{2}{9} = \frac{\quad}{45}$$

$$\frac{7}{8} = \frac{\quad}{48} \quad \frac{2}{12} = \frac{\quad}{36} \quad \frac{7}{10} = \frac{\quad}{100}$$

$$\frac{5}{15} = \frac{\quad}{45} \quad \frac{12}{12} = \frac{\quad}{24} \quad \frac{2}{7} = \frac{\quad}{21}$$

4. Zjednoduš zlomky, aby platila rovnosť

$$\frac{8}{16} = \frac{\quad}{2} \quad \frac{60}{75} = \frac{\quad}{15} \quad \frac{45}{90} = \frac{\quad}{10}$$

$$\frac{28}{49} = \frac{\quad}{7} \quad \frac{6}{10} = \frac{\quad}{5} \quad \frac{20}{70} = \frac{\quad}{7}$$

$$\frac{18}{48} = \frac{\quad}{24} \quad \frac{10}{100} = \frac{\quad}{10} \quad \frac{15}{45} = \frac{\quad}{3}$$

5. Zjednoduš zlomky, aby platila rovnosť

$$\frac{8}{20} = \frac{2}{\quad} \quad \frac{16}{42} = \frac{8}{\quad} \quad \frac{45}{90} = \frac{9}{\quad}$$

$$\frac{54}{81} = \frac{6}{\quad} \quad \frac{27}{36} = \frac{9}{\quad} \quad \frac{24}{9} = \frac{8}{\quad}$$

$$\frac{7}{35} = \frac{1}{\quad} \quad \frac{66}{84} = \frac{33}{\quad} \quad \frac{13}{26} = \frac{1}{\quad}$$