

Rozšiřování a krácení zlomků

1. Rozšiř zlomky číslem v závorce:

a)

$$\frac{7}{9}(8) = \frac{\quad}{\quad}$$

$$\frac{1}{7}(3) = \frac{\quad}{\quad}$$

$$\frac{3}{8}(2) = \frac{\quad}{\quad}$$

b)

$$\frac{1}{6}(8) = \frac{\quad}{\quad}$$

$$\frac{3}{8}(6) = \frac{\quad}{\quad}$$

$$\frac{7}{8}(6) = \frac{\quad}{\quad}$$

c)

$$\frac{3}{6}(3) = \frac{\quad}{\quad}$$

$$\frac{7}{9}(8) = \frac{\quad}{\quad}$$

$$\frac{7}{9}(8) = \frac{\quad}{\quad}$$

2. Rozšiř trojice zlomků pod sebou na společného jmenovatele:

a)

$$\frac{2}{9} = \frac{\quad}{\quad}$$

$$\frac{1}{8} = \frac{\quad}{\quad}$$

$$\frac{4}{5} = \frac{\quad}{\quad}$$

b)

$$\frac{2}{3} = \frac{\quad}{\quad}$$

$$\frac{9}{10} = \frac{\quad}{\quad}$$

$$\frac{2}{3} = \frac{\quad}{\quad}$$

c)

$$\frac{6}{7} = \frac{\quad}{\quad}$$

$$\frac{3}{5} = \frac{\quad}{\quad}$$

$$\frac{2}{3} = \frac{\quad}{\quad}$$

3. Doplň chybějící čísla tak, aby platily rovnosti:

a)

$$\frac{8}{9} = \frac{\quad}{36}$$

$$\frac{3}{4} = \frac{\quad}{16}$$

$$\frac{6}{7} = \frac{\quad}{56}$$

b)

$$\frac{2}{4} = \frac{6}{\quad}$$

$$\frac{5}{7} = \frac{40}{\quad}$$

$$\frac{4}{6} = \frac{16}{\quad}$$

c)

$$\frac{2}{9} = \frac{\quad}{45}$$

$$\frac{5}{9} = \frac{20}{\quad}$$

$$\frac{4}{9} = \frac{\quad}{27}$$

4. Zkrat' zlomky na základní tvar:

a)

$$\frac{6}{30} = \frac{\quad}{\quad}$$

$$\frac{64}{72} = \frac{\quad}{\quad}$$

$$\frac{5}{40} = \frac{\quad}{\quad}$$

b)

$$\frac{12}{18} = \frac{\quad}{\quad}$$

$$\frac{6}{24} = \frac{\quad}{\quad}$$

$$\frac{10}{15} = \frac{\quad}{\quad}$$

c)

$$\frac{18}{36} = \frac{\quad}{\quad}$$

$$\frac{30}{35} = \frac{\quad}{\quad}$$

$$\frac{9}{36} = \frac{\quad}{\quad}$$

5. Zkrat' zlomky na základní tvar:

a)

$$\frac{12}{48} = \frac{\quad}{\quad}$$

$$\frac{85}{136} = \frac{\quad}{\quad}$$

$$\frac{5}{10} = \frac{\quad}{\quad}$$

b)

$$\frac{55}{77} = \frac{\quad}{\quad}$$

$$\frac{33}{99} = \frac{\quad}{\quad}$$

$$\frac{11}{77} = \frac{\quad}{\quad}$$

c)

$$\frac{65}{78} = \frac{\quad}{\quad}$$

$$\frac{15}{105} = \frac{\quad}{\quad}$$

$$\frac{22}{66} = \frac{\quad}{\quad}$$