

Krácení zlomků

Opakování:

$$\frac{10}{15} = \frac{2}{3}$$

(Red arrow from 10 to 2 labeled :5, and from 15 to 3 labeled :5)

$$\frac{12}{18} = \frac{2}{3}$$

(Red arrow from 12 to 6 labeled :2, and from 18 to 9 labeled :2)

$$\frac{14}{49} = \frac{2}{7}$$

(Red arrow from 14 to 2 labeled :7, and from 49 to 7 labeled :7)

$$\frac{18}{36} = \frac{1}{2}$$

(Red arrow from 18 to 9 labeled :2, and from 36 to 18 labeled :2)

$$\frac{50}{100} = \frac{1}{2}$$

(Red arrow from 50 to 5 labeled :10, and from 100 to 10 labeled :10)

$$\frac{81}{18} = \frac{9}{2}$$

(Red arrow from 81 to 9 labeled :9, and from 18 to 2 labeled :9)

9 Urči číslo x tak, aby platilo:

$$\frac{2}{5} \quad \text{a) } \frac{x}{5} = \frac{8}{20}$$

$$\text{b) } \frac{16}{40} = \frac{x}{20} \quad \frac{8}{20}$$

$$\text{c) } \frac{15}{x} = \frac{45}{120} \quad \frac{15}{40}$$

$$\frac{4}{7} \quad \text{d) } \frac{4}{x} = \frac{16}{28}$$

$$\text{e) } \frac{2}{3} = \frac{x}{15} \quad \frac{10}{15}$$

$$\text{f) } \frac{49}{x} = \frac{7}{5} \quad \frac{49}{35}$$

Cvičení

8 Převeď zlomek na základní tvar:

a) $\frac{120}{1200}$

b) $\frac{120}{250}$

c) $\frac{125}{125}$

d) $\frac{125}{25}$

e) $\frac{125}{5}$

$$\frac{120}{1200} \xrightarrow{\div 10} \frac{12}{120} \xrightarrow{\div 6} \frac{2}{20} \xrightarrow{\div 2} \frac{1}{10}$$

... zlomek v základ.

$$\frac{120}{250} \xrightarrow{\div 10} \frac{12}{25}$$

$$\frac{125}{25} \xrightarrow{\div 5} \frac{25}{5} \xrightarrow{\div 5} \frac{5}{1} = 5$$

$$\frac{125}{125} = 1$$

$$\frac{125}{5} \xrightarrow{\div 5} \frac{25}{1} = 25$$

$\frac{8}{10}$	$\frac{6}{18}$	$\frac{50}{300}$	$\frac{30}{45}$	$\frac{45}{63}$	$\frac{77}{55}$
$\frac{6}{10}$	$\frac{8}{18}$	$\frac{60}{300}$	$\frac{42}{63}$	$\frac{15}{45}$	$\frac{18}{66}$

$$\frac{8}{10} = \frac{4}{5}$$

$$\frac{45}{63} = \frac{5}{7}$$

$$\frac{6}{18} = \frac{1}{3}$$

$$\frac{6}{18} = \frac{3}{9} = \frac{1}{3}$$

$$\frac{30}{45} = \frac{6}{9} = \frac{2}{3}$$

$$\frac{50}{300} = \frac{5}{30} = \frac{1}{6}$$

$$\frac{77}{55} = \frac{7}{5}$$

$$\frac{50}{300} = \frac{5}{30} = \frac{1}{6}$$

$$\frac{77}{55} = \frac{7}{5}$$

$\frac{8}{10}$	$\frac{6}{18}$	$\frac{50}{300}$	$\frac{30}{45}$	$\frac{45}{63}$	$\frac{77}{55}$
$\frac{6}{10}$	$\frac{8}{18}$	$\frac{60}{300}$	$\frac{42}{63}$	$\frac{15}{45}$	$\frac{18}{66}$

$$\frac{6}{10} = \frac{3}{5}$$

$$\frac{42}{63} = \frac{6}{9} = \frac{2}{3}$$

$$\frac{8}{18} = \frac{4}{9}$$

$$\frac{15}{45} = \frac{3}{9} = \frac{1}{3}$$

$$\frac{60}{300} = \frac{6}{30} = \frac{1}{5}$$

$$\frac{18}{66} = \frac{3}{11}$$