

B VAJE

kol. (34)

65% bakra
 32% cinka
 3% svinca

 100% = 840 kg zlitine

$$\begin{array}{r} 840 \text{ kg} \dots 100\% \\ x \text{ kg} \dots 65\% \\ \hline x = \frac{840 \cdot 65 \cdot 12 \cdot 13}{100 \cdot 5 \cdot 1} \end{array}$$

$x = 546 \text{ kg bakra}$

Preizkus:

$$\begin{array}{r} 546 \\ + 268,8 \\ + 25,2 \\ \hline 840,0 \text{ kg} \end{array}$$

% od celoke = delež

65% od 840 kg = x_1
 32% od 840 kg = x_2
 3% od 840 kg = x_3

$$\begin{array}{r} 840 \text{ kg} \dots 100\% \\ x \text{ kg} \dots 32\% \\ \hline x = \frac{840 \cdot 32}{100} \end{array}$$

$x = 268,8 \text{ kg cinka}$

$$\begin{array}{r} 840 \text{ kg} \dots 100\% \\ x \text{ kg} \dots 3\% \\ \hline x = \frac{840 \cdot 3}{100} \end{array}$$

$x = 25,2 \text{ kg svinca}$

Odp.: V zlitini je 546 kg bakra,
 268,8 kg cinka in 25,2 kg svinca.

% od celoke = delež
 % od 2800 € = 2100 €

celoka je 100%

kol. (35)

2800 €
 2100 €

$$\begin{array}{r} 2800 \text{ €} \dots 100\% \\ 2100 \text{ €} \dots x\% \\ \hline x = \frac{2100 \cdot 100}{2800} \end{array}$$

$x = 75\%$

Odp.: Računalnik je cenejši za 25%

kol. (37)

85% = 8160 €

85% od $x = 8160 \text{ €}$

$$\begin{array}{r} 85\% \dots 8160 \text{ €} \\ 100\% \dots x \text{ €} \\ \hline x = \frac{100 \cdot 8160}{85} \end{array}$$

$x = 9600 \text{ €}$

Odp.: Prvotna cena motorja je bila 9600 €.

1. NAČIN

6% od $x = 9$

$$\frac{6}{100} \cdot x = 9$$

$$x = 9 : \frac{6}{100}$$

$$x = \frac{9 \cdot 100}{6}$$

$$x = \underline{150}$$

2. NAČIN

$$\begin{array}{r} 6\% \dots 9 \\ 100\% \dots x \\ \hline x = \frac{100 \cdot 9}{6} \\ x = \underline{150} \end{array}$$

KATERI NAČIN SE TI ZDI NAJPRIMERNEJŠI?

Odp.: To stvarno je 150.

3. NAČIN

$$\begin{array}{l} 6\% \dots 9 \\ \cdot 6 \rightarrow 1\% \dots \frac{9}{6} = 1,5 \\ \cdot 100 \rightarrow 100\% \dots \underline{150} \end{array} \cdot 100$$

4. NAČIN

$$y = k \cdot x$$

$$y = 1,5 \cdot 100$$

$$y = \underline{150}$$

VAJE C

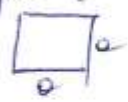
36

KVADRAT 1

$a = 12 \text{ cm}$

$\sigma = ?$

$p = ?$



$\sigma = 4 \cdot a$

$\sigma = 4 \cdot 12$

$\sigma = \underline{48 \text{ cm}}$

$p = a^2$

$p = 12^2$

$p = \underline{144 \text{ cm}^2}$

KVADRAT 2

$a = 12 + 25\% = 15 \text{ cm}$

$\sigma = ?$

$p = ?$

25% od $12 = x$

$$\frac{25}{100} \cdot 12 = x$$

$$x = \underline{3}$$

$\sigma = 4 \cdot a$

$\sigma = 4 \cdot 15$

$\sigma = \underline{60 \text{ cm}}$

$p = a^2$

$p = 15^2$

$p = \underline{225 \text{ cm}^2}$

$$\begin{array}{r} 48 \text{ cm} \dots 100\% \\ 60 \text{ cm} \dots x \\ \hline x = \frac{60 \cdot 100}{48} \\ x = \underline{125\%} \end{array}$$

Obseg se poveča za 25%

$$\begin{array}{r} 144 \text{ cm}^2 \dots 100\% \\ 225 \text{ cm}^2 \dots x \\ \hline x = \frac{225 \cdot 100}{144} \\ x = \underline{156,25\%} \end{array}$$

Ploščina se poveča za 56,25%

zad. (38) $18\% = 117 \text{ €}$ $18\% \text{ od } x = 117 \text{ €}$

$$\begin{array}{r} 18\% \dots 117 \text{ €} \\ 100\% \dots x \\ \hline x = \frac{100 \cdot 117}{18} \\ x = \underline{\underline{650 \text{ €}}} \end{array}$$

$$\begin{array}{r} 650 \text{ €} \\ + 117 \text{ €} \\ \hline \underline{\underline{767 \text{ €}}} \end{array}$$

Odp.: Nova stערina je 767 €.

zad. (39) $35000 \text{ €} \dots 100\%$ $38500 \text{ €} \dots 100\%$
 $x \text{ €} \dots 110\%$ $x \text{ €} \dots 90\%$
ena - poizansa za 10% *ZNIZANO ZA 10%*

$$\begin{array}{r} 35000 \text{ €} \dots 100\% \\ x \text{ €} \dots 110\% \\ \hline x = \frac{35000 \cdot 110}{100} \\ x = \underline{\underline{38500 \text{ €}}} \end{array}$$

$$\begin{array}{r} 38500 \text{ €} \dots 100\% \\ x \text{ €} \dots 90\% \\ \hline x = \frac{38500 \cdot 90}{100} \\ x = \underline{\underline{34650 \text{ €}}} \end{array}$$

Odp.: Nova cena avtomobila je 34650 €.

zad. (40) 100% $97,5\% \dots 66,30 \text{ €}$
 $- 2,5\%$ x
 $\hline 97,5\%$ $x = \frac{100 \cdot 66,30}{97,5}$
 $x = 68 \text{ €}$

Pred znižanjem je bila cena 68 €.

A VAJE

nal. (31)

$$\begin{aligned} 80 \text{ predstav} &= 100\% \\ 4 \text{ predstav} &= x \end{aligned}$$

SKLEPANJE

$$\begin{aligned} 80 \text{ preds} &\dots 100\% \\ 4 \text{ preds} &\dots 5\% \end{aligned}$$

KRIZNI RACUN

$$\begin{aligned} 80 \text{ predstav} &\dots 100\% \\ 4 \text{ predstav} &\dots x \end{aligned}$$

$$x = \frac{4 \cdot 100 \cdot 5}{80 \cdot 1}$$

$$x = 5\%$$

Odp.: 4 predstav je 5%.

nal (32)

$$\begin{aligned} 15 \text{ metrov} &= 100\% \\ 12 \text{ metrov} &= x \end{aligned}$$

$$\begin{aligned} x \text{ od celok} &= \text{delež} \\ x\% \cdot 15 &= 12 \\ 15 \text{ metrov} & 100\% \\ 12 \text{ metrov} & x\% \end{aligned}$$

$$x = \frac{12 \cdot 100}{15}$$

$$x = \frac{1200}{15}$$

$$x = 80\%$$

$$\begin{aligned} 100\% \\ - 80\% \\ \hline 20\% \end{aligned}$$

20% preostanku metrov

- sedetih metrov

Odp.: ufevor odstotek preostanku metrov je 20%

nal (33)

$$\begin{aligned} 32 \text{ €} \\ - 25\% \end{aligned}$$

$$\begin{aligned} 100\% \dots 32 \text{ €} \\ 75\% \dots x \end{aligned}$$

$$x = \frac{375 \cdot 32}{4 \cdot 100}$$

$$x = 24 \text{ €}$$

Odp.: nova cena posvetenke je 24 €

nal (34)

$$\begin{aligned} 420 \text{ uencev} &= 100\% \\ 21 \text{ uencev} &= x\% \end{aligned}$$

$$\begin{aligned} 100\% \dots 420 \text{ uencev} \\ x\% \dots 21 \text{ uencev} \end{aligned}$$

$$x = \frac{100 \cdot 21 \cdot 1.5}{420 \cdot 2}$$

$$x = 5\%$$

Odp.: 21 uencev je 5%