

MATEMATIKA 7. B

M7.B

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RĚŠENÍ

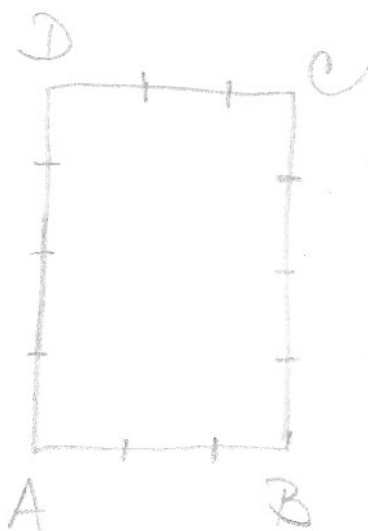
PRO RYCHLÍKY

1) ABCD: $\sigma = 7 \text{ cm}$

$$a : b = 3 : 4$$

$$b = ? \text{ cm}$$

$$S = ? \text{ cm}^2$$



po celém obvodu
je 14 dílků

$$1 \text{ dílek} \dots 4 : 14 = 0,5 \text{ cm}$$

a) $b = 4 \cdot 0,5 = 2 \text{ cm}$

$a = 3 \cdot 0,5 = 1,5 \text{ cm}$

b) $S = a \cdot b$

$$S = 1,5 \cdot 2$$

$$S = 3 \text{ cm}^2$$

a) Délka strany obd. je 2 cm.

b) Obsah obd. je 3 cm².

2) a) $4 \cdot \frac{-3 \cdot \frac{9}{4}}{9 \cdot (-\frac{3}{4})} + \frac{7^1}{14_2} \cdot \frac{6^1}{14_2} = 4 \cdot \frac{-\frac{27}{4}}{-\frac{27}{4}} + \frac{1}{4} =$

$$= 4 \cdot 1 + \frac{1}{4} = 4 + \frac{1}{4} = 4 \frac{1}{4} \quad \text{NEBO} \quad \frac{16+1}{4} = \frac{17}{4} = 4 \frac{1}{4}$$

b) $\left(\frac{13}{7} \cdot \frac{5^1}{10_2} + \frac{26}{14} \right) : \frac{13}{35} = \left(\frac{13}{14} + \frac{26}{14} \right) : \frac{13}{35} =$

$$= \frac{39^3}{14_2} \cdot \frac{35^5}{13_1} = \frac{15}{2} = 7 \frac{1}{2}$$

$$3) \begin{array}{l} 1 \text{ lahev} \dots 1,5 \text{ l} \\ 6 \text{ lahv} \dots x \text{ l} \end{array}$$

$$x = 6 \cdot 1,5$$

$$x = 9 \text{ l} = \underline{\underline{90 \text{ dl}}}$$

$$\begin{array}{l} 1 \text{ sklenice} \dots 2 \text{ dl} \\ y \text{ sklenic} \dots 90 \text{ dl} \end{array}$$

$$y = 90 : 2$$

$$y = \underline{\underline{45}}$$

Že naplnit 45 sklenic.

$$4) \text{ a) } 2 \text{ l} = 2000 \text{ ml}$$

$$\frac{1}{8} \text{ z } 2000 \text{ ml} = 2000 : 8 = \underline{\underline{250 \text{ ml}}}$$

$$\text{b) } 1,5 \text{ kg} = 1500 \text{ g}$$

$$12 \text{ savař} \dots 1500 \text{ g}$$

$$1 \text{ savař} \dots x \text{ g}$$

$$x = 1500 : 12$$

$$x = \underline{\underline{125 \text{ g}}}$$

$$\text{c) } 4,5^\circ = 4^\circ 30' = 240' + 30' = 270'$$

$$\boxed{1^\circ = 60'}$$

$$4 \cdot 60' = 240'$$

$$270' : 45' = \underline{\underline{6 \text{ grad}}}$$