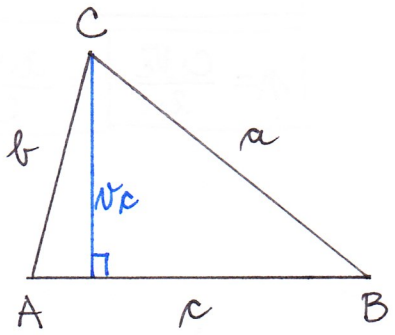
3.4. URA

5. RAZNOSTRANIČNI Δ



$o = a + b + c$

$p = \frac{a \cdot v_a}{2} = \frac{b \cdot v_b}{2} = \frac{c \cdot v_c}{2}$

$p = \frac{1}{2} \cdot a \cdot v_a$

primer:

$a = 5{,}5\ cm$
$b = 3\ cm$
$c = 5\ cm$
$v_b = 4{,}5\ cm$

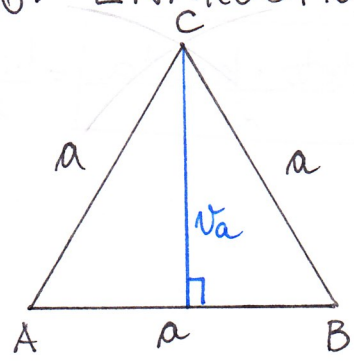
$o = ?$
$p = ?$

$o = a + b + c$
$o = 5{,}5 + 3 + 5$
$o = 13{,}5\ cm$

$p = \frac{b \cdot v_b}{2}$
$p = \frac{3 \cdot 4{,}5}{2}$
$p = \frac{13{,}5}{2}$
$p = 6{,}75\ cm^2$

$13{,}5 : 2 = 6{,}75$
15
10

6. ENAKOSTRANIČNI Δ



$o = a + a + a$
$o = 3a$

$p = \frac{a \cdot v_a}{2}$

primer:

$p = 12\ cm^2$
$v_a = 4\ cm$

$a = ?$
$o = ?$

$p = \frac{a \cdot v_a}{2}$ ← ZAPIŠI FORMULO

$12 = \frac{a \cdot 4 \cdot 2}{2 \cdot 1}$ ← VSTAVI PODATKE, OKRAJŠAJ

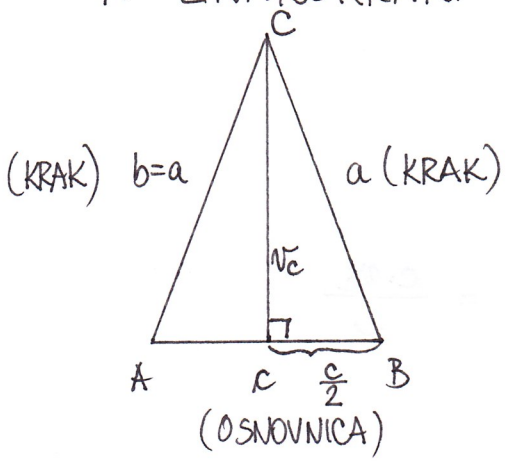
$12 = a \cdot 2$

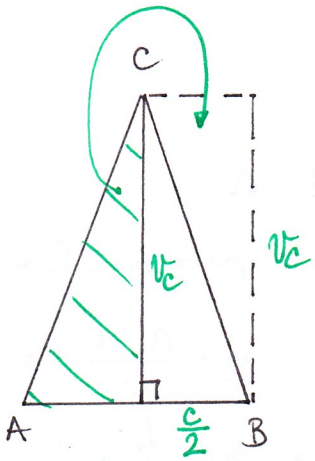
$a = 12 : 2$ ← IZRAČUNAJ NEZNANO KOLIČINO a Z OBRATNO RAČUNSKO OPERACIJO

$a = 6\ cm$

$o = 3a$
$a = 3 \cdot 6$
$o = 18\ cm$

7. ENAKOKRAKI $\triangle$





trikotnik preoblikujemo v ploščinsko enak pravokotnik

$$o = a + a + c$$

$$\boxed{o = 2a + c}$$

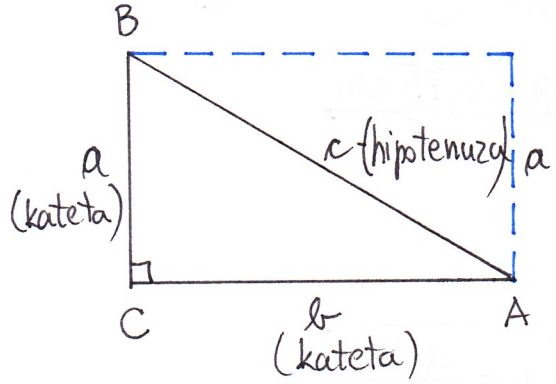
$$\boxed{p = \frac{c \cdot v_c}{2} = \frac{a \cdot v_a}{2}}$$

primer

$o = 19\,cm$
$c = 5\,cm$
$a, b = ?$

$o = 2a + c$
$19 = 2a + 5$
$2a = 19 - 5$
$2 \cdot a = 14$
$a = 14 : 2$
$a = 7\,cm$, ker je $a = b \Rightarrow b = 7\,cm$

8. PRAVOKOTNI $\triangle$



pravokotni $\triangle$ dopolnimo do pravokotnika

$$p_{\square} = a \cdot b$$

$$p_{\square} = 2 \cdot p_{\triangle}$$

$$p_{\triangle} = p_{\square} : 2$$

$$\boxed{p_{\triangle} = \frac{a \cdot b}{2} = \frac{\text{kateta} \cdot \text{kateta}}{2} = \frac{k_1 \cdot k_2}{2}}$$

$$\boxed{o = a + b + c}$$

VAJE iz DL Ploščine likov

lažje naloge	srednje zahtevne naloge	zahtevnejše nal.
5a,b	5b	5b
6a,b	6bce	6bcef
7a	7b	7c