

PRIZMA

8) PRAVILNA 4-STRAJNA PRIZMA

$V = 64 \text{ cm}^2$	$V = \sigma \cdot v$	$\sigma = a^2$	$pl = \sigma \cdot v$	$P = 2\sigma + pl$
$V = 320 \text{ cm}^3$	$v = \frac{V}{\sigma}$	$a = \sqrt{\sigma}$	$pl = 4a \cdot v$	$P = 2 \cdot 64 + 160$
a	$v = \frac{320}{64}$	$a = \sqrt{64}$	$pl = 4 \cdot 8 \cdot 5$	$P = 288 \text{ cm}^2$
v	$v = 5 \text{ cm}$	$a = 8 \text{ cm}$	$pl = 160 \text{ cm}^2$	
P				

9) PRAVILNA 3-STRAJNA PRIZMA

$\sigma = 25\sqrt{3} \text{ cm}^2$	$\sigma = \frac{a^2\sqrt{3}}{4}$	$pl = \sigma \cdot v$	$\sigma = 3a$	$P = 2\sigma + pl$	$V = \sigma \cdot v$
$pl = 60 \text{ cm}^2$	$a = \sqrt{\frac{4\sigma}{\sqrt{3}}}$	$v = \frac{pl}{\sigma}$	$\sigma = 30 \text{ cm}$	$P = 2 \cdot 25\sqrt{3} + 60$	$V = 25\sqrt{3} \cdot 2$
a	$a = \sqrt{\frac{4 \cdot 25\sqrt{3}}{\sqrt{3}}}$	$v = \frac{60}{30}$		$P = (50\sqrt{3} + 60) \text{ cm}^2$	$V = 50\sqrt{3} \text{ cm}^3$
v		$v = 2 \text{ cm}$			
P					
V					
	$a = \sqrt{100}$				
	$a = 10 \text{ cm}$				

VALJ

1) VALJ

$r = 8 \text{ cm}$	$P = 2\sigma + pl$	$\sigma = \pi r^2$	$\sigma = 2\pi r$	b) $2r = 26 \text{ dm}$	$\sigma = \pi r^2$	$P = 2 \cdot 169\pi + 10,4\pi$
$v = 13 \text{ cm}$	$P = 2 \cdot 64\pi + 208\pi$	$\sigma = 64\pi \text{ cm}^2$	$\sigma = 16\pi \text{ cm}$	$v = 4 \text{ dm}$	$\sigma = 1,3^2\pi$	$P = 2 \cdot 1,69\pi + 10,4\pi$
P	$P = 128\pi + 208\pi$	$pl = \sigma \cdot v$	$V = \sigma \cdot v$	$r = 1,3 \text{ dm}$	$\sigma = 1,69\pi \text{ dm}^2$	$P = 13,78\pi \text{ dm}^2$
V	$P = 336\pi \text{ cm}^2$	$pl = 16\pi \cdot 13$	$V = 64\pi \cdot 13$		$pl = 2\pi r \cdot v$	$V = \sigma \cdot v$
		$pl = 208\pi \text{ cm}^2$	$V = 832\pi \text{ cm}^3$		$pl = 2\pi \cdot 1,3 \cdot 4$	$V = 1,69\pi \cdot 4$
					$pl = 10,4\pi \text{ dm}^2$	$V = 6,76\pi \text{ dm}^3$

2) VALJ

$d = 30 \text{ cm}$	$V = \sigma \cdot v$	$\sigma = \pi r^2$	3) VALJ	$V = \sigma \cdot v$	$\sigma = \pi r^2$
$r = 15 \text{ cm}$	$V = 225\pi \cdot 20$	$\sigma = 15^2\pi$	$V = 1 \text{ l} = 1 \text{ dm}^3 = 1000 \text{ cm}^3$	$v = \frac{V}{\sigma}$	$\sigma = 49\pi \text{ cm}^2$
$v = 20 \text{ cm}$	$V = 4500\pi \text{ cm}^3$	$\sigma = 225\pi \text{ cm}^2$	$d = 14 \text{ cm}$	$v = \frac{1000}{49\pi} \approx 6,5 \text{ cm}$	
V			$r = 7 \text{ cm}$		
			$v =$		

4) VALJ

$\sigma = 100\pi \text{ cm}^2$	$\sigma = \pi r^2$	$\sigma = 2\pi r$	$P = 2\sigma + pl$	$V =$
$v = 14 \text{ cm}$	$\pi r^2 = \sigma$	$\sigma = 20\pi \text{ cm}$	$P = 2 \cdot 100\pi + 280\pi$	
r	$r = \sqrt{\frac{\sigma}{\pi}}$	$pl = \sigma \cdot v$	$P = 480\pi \text{ cm}^2$	
pl	$r = \sqrt{\frac{100\pi}{\pi}}$	$pl = 20\pi \cdot 14$	$V = \sigma \cdot v$	
P		$pl = 280\pi \text{ cm}^2$	$V = 100\pi \cdot 14$	
V	$r = 10 \text{ cm}$		$V = 1400\pi \text{ cm}^3$	

5) VALJ

$v = 1 \text{ dm}$	$V = \sigma \cdot v$	$\sigma = \pi r^2$	$P = 2\sigma + pl$	$pl = \sigma \cdot v$
$V = 9\pi \text{ dm}^3$	$\sigma = \frac{V}{v}$	$r = \sqrt{\frac{\sigma}{\pi}}$	$P = 2 \cdot 9\pi + 6\pi$	$pl = 2\pi r \cdot v$
$r =$	$\sigma = 9\pi$	$r = \sqrt{\frac{9\pi}{\pi}}$	$P = 18\pi + 6\pi$	$pl = 2 \cdot \pi \cdot 3 \cdot 1$
$P =$			$P = 24\pi \text{ dm}^2$	$pl = 6\pi \text{ dm}^2$
	$\sigma = 9\pi \text{ dm}^2$	$r = 3 \text{ dm}$		