PRIZMA

① KOCKA

$a = 6\,cm = 6\,mm$

$O = 36\,mm^2$

$P = 216\,mm^2$

$V = 216\,mm^3$

$D = 6\sqrt{3}\,mm$ (TELESNA)

$d = 6\sqrt{2}\,mm$ (PLOSKOVNA)

② KVADER

$a = 4\,cm$

$b = 10\,cm$

$v = c = 13\,cm$

$P = 444\,cm^2$

$P = 444\,cm^2$

$V = 520\,cm^3$

$P = 2O + pl$

$P = 2 \cdot 40 + 364$

$P = 80 + 364$

$P = 444\,cm^2$

$V = O \cdot v$

$V = 40 \cdot 13$

$V = 520\,cm^3$

$O = a \cdot b$

$O = 4 \cdot 10$

$O = 40\,cm^2$

$o = 2a + 2b$

$o = 8 + 20$

$o = 28\,cm$

$pl = o \cdot v$

$pl = 28 \cdot 13$

$pl = 364\,cm^2$

③ PRAVILNA 3-STRANA PRIZMA

$a = 6\,cm$

$v = 12\,cm$

$P =$

$V =$

$P = 2O + pl$

$P = 2 \cdot 9\sqrt{3} + 216$

$P = (18\sqrt{3} + 216)\,cm^2$

ali $P = 247{,}17\,cm^2$

$O = \frac{a^2\sqrt{3}}{4}$

$O = \frac{6^2\sqrt{3}}{4} \cdot \frac{3 \cdot 3}{1 \cdot 1}$

$O = 9\sqrt{3}\,cm^2$

$pl = o \cdot v$

$pl = 18 \cdot 12$

$pl = 216\,cm^2$

$o = 3 \cdot a$

$o = 18\,cm$

$V = O \cdot v$

$V = 9\sqrt{3} \cdot 12$

$V = 108\sqrt{3}\,cm^3$

④ ENAKOROBA 3-strana PRIZMA

$v = a = 8\,cm$

P

V

$P = 2O + pl$

$P = (36\sqrt{3} + 192)\,cm^2$

$P = 254{,}28\,cm^2$

$O = \frac{a^2\sqrt{3}}{4}$

$O = \frac{8 \cdot 8\sqrt{3} \cdot 2}{4}$

$O = 16\sqrt{3}\,cm^2$

$pl = o \cdot v$

$pl = 3 \cdot 8 \cdot 8$

$pl = 192\,cm^2$

$V = O \cdot v$

$V = 16\sqrt{3} \cdot 8$

$V = 128\sqrt{3}\,cm^3$

⑤ PRAVILNA 4-STRANA PRIZMA

$a = 9\,cm$

$v = 10\,cm$

$P =$

$V =$

$P = 2O + pl$

$P = 162 + 360$

$P = 522\,cm^2$

$O = a^2$

$O = 81\,cm^2$

$pl = o \cdot v$

$pl = 4 \cdot a \cdot v$

$pl = 4 \cdot 9 \cdot 10$

$pl = 360\,cm^2$

$V = O \cdot v$

$V = 81 \cdot 10$

$V = 810\,cm^3$

⑥ ENAKOROBA 4-STRANA PRIZMA

$v = a = 8\,cm$

$P =$

$V =$

$P = 2O + pl$

$P = 128 + 256$

$P = 384\,cm^2$

$O = a^2$

$O = 64\,cm^2$

$pl = o \cdot v$

$pl = 4 \cdot a \cdot a$

$pl = 4 \cdot 8 \cdot 8$

$pl = 256\,cm^2$

$V = O \cdot v$

$V = 64 \cdot 8$

$V = 512\,cm^3$

⑦ KOCKA

$O = 121\,cm^2$

$a =$

$P =$

$V =$

$d =$

D

$O = a^2$

$a = \sqrt{O}$

$a = \sqrt{121}$

$a = 11\,cm$

$P = 6a^2$

$P = 6 \cdot 121$

$P = 726\,cm^2$

$V = a^3$

$V = 11^3$

$V = 1331\,cm^3$

$d = 11\sqrt{2}\,cm$

$D = 11\sqrt{3}\,cm$