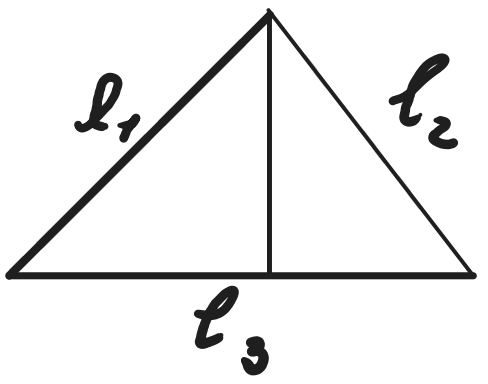

- $l_1 = l_2 = l_3 = l$

$$P = l_1 + l_2 + l_3 = l + l + l = 3l$$

$l = 1\,cm \Rightarrow P = 3 \times l = 3 \cdot 1\,cm = 3\,cm$

$l = 2\,cm \Rightarrow P = 3 \times l = 6\,cm$

$$S = \sqrt{p(p-l_1)(p-l_2)(p-l_3)}$$

$$= \sqrt{p(p-l)(p-l)(p-l)}$$

$$p = \frac{P}{2} = \frac{3l}{2} = \frac{3}{2}l = 1{,}5l$$

$l = 2\,cm \quad P = 1{,}5 \cdot 2\,cm = 3\,cm$

$$S = \sqrt{\frac{3}{2}l \cdot \left(\frac{3}{2}l - l\right)\left(\frac{3}{2}l - l\right)\left(\frac{3}{2}l - l\right)}$$

$$= \sqrt{\frac{3}{2}l \cdot \left(\frac{1}{2}l\right)\left(\frac{1}{2}l\right)\cdot\frac{1}{2}l}$$

$$= \sqrt{\frac{3}{2}\cdot\frac{1}{2}\cdot\frac{1}{2}\cdot\frac{1}{2}\,l^4}$$

$$= \sqrt{\frac{3}{16}l^4}$$

$$= \frac{\sqrt{3}}{4}l^2$$

$$S = \frac{\sqrt{3}}{4}\cdot l^2 = 0{,}43 \cdot l^2$$

$l = 7\,cm \rightarrow S = 0{,}43\,(7\,cm)^2 = 0{,}43 \cdot 49 \cdot cm^2$

$\approx 21\,cm^2$