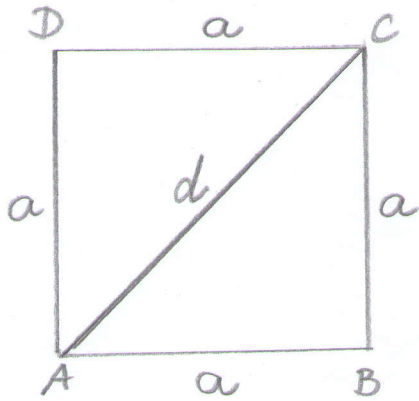
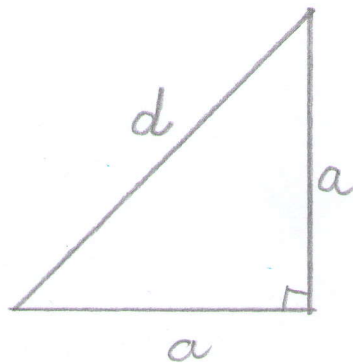


# UPORABA PITAGOROVEGA IZREKA V KVADRATU



OBSEG:  $\sigma = 4 \cdot a$

PLOŠČINA:  $p = a^2$



$$d^2 = a^2 + a^2$$

$$d^2 = 2a^2$$

$$d = \sqrt{2 \cdot a^2}$$

$$d = a \cdot \sqrt{2}$$

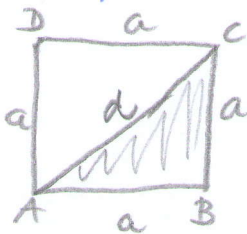
$$\sqrt{2} \approx 1,41$$

1. primer: Izračunaj dolžino diagonale  $n$  kvadrata z dolžino stranice 10 cm.

kvadrat

$$a = 10 \text{ cm}$$

$$d = ?$$



$$d = a \cdot \sqrt{2}$$

$$d = 10 \cdot \sqrt{2} \text{ cm (matemčen rezultat)}$$

$$d \approx 10 \cdot 1,41$$

$$d \approx \underline{\underline{14,1 \text{ cm}}} \text{ (približek)}$$

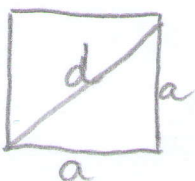
2. primer: Koliko meri stranica kvadrata z diagonalo:

a) 7,05 cm

kvadrat

$$a) \underline{d = 7,05 \text{ cm}}$$

$$a = ?$$



$$d = a \cdot \sqrt{2}$$

$$7,05 = a \cdot 1,41$$

$$a = 7,05 : 1,41$$

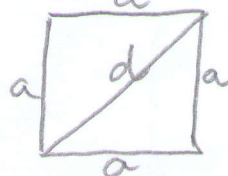
$$a = \underline{\underline{5 \text{ cm}}}$$

b)  $9\sqrt{2}$  dm

kvadrat

$$d = 9\sqrt{2} \text{ dm}$$

$$a = ?$$



$$d = a \cdot \sqrt{2}$$

$$9 \cdot \sqrt{2} = a \cdot \sqrt{2}$$

$$9 = a$$

$$a = \underline{\underline{9 \text{ dm}}}$$