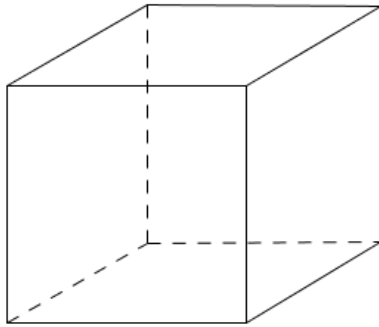


Pitagorov izrek v KOCKI

1. Označi in opiši kocko.



Vsi robovi so _____.

Omejuje jo 6 _____.

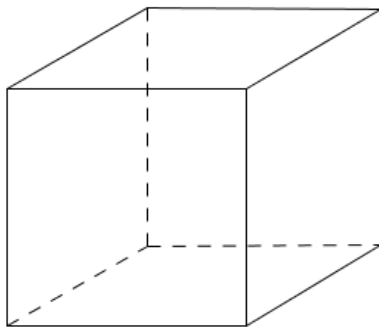
Ima _____ ploskovnih diagonal.

Ima _____ telesne diagonale, ki so med seboj _____.

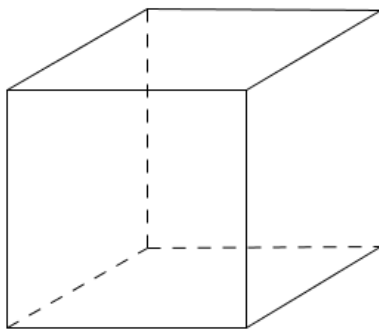
Površina:

Prostornina:

2. Pitagorov izrek v kocki – izpeljava **telesne diagonale**



3. Diagonalni presek



4. Primeri

a) Kocka
 $a = 4 \text{ cm}$
 $d = \underline{\hspace{2cm}}$

b) Kocka
 $d = 7\sqrt{3} \text{ cm}$
 $P = \underline{\hspace{2cm}}$
 $V =$

c) Kocka
 $d = 7\sqrt{3} \text{ cm}$
ploščina diagonalnega preseka =