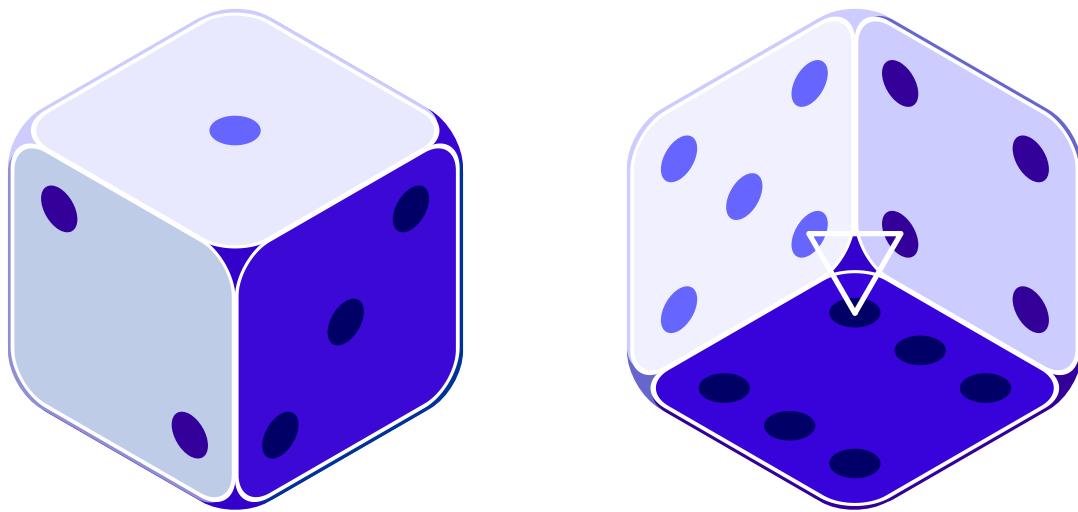


Dieangles

by Serhiy Grabarchuk Jr.



The front and the back view of an ordinary playing die (the sum of the pips on the opposite faces equals 7) are shown in the illustration. Some pips (their centers) on the die are lying in the vertices of an equilateral triangle. An example of such triangle is shown with the white outline in the right view.

How many different equilateral triangles created with the centers of the pips can you find on the die?