



Problem of the Week

Problem D

Cubicles

A 5 by 5 by 5 cube is formed using identical 1 by 1 by 1 cubes. A number of the smaller cubes are removed by punching out the fifteen designated columns from front to back, top to bottom, and side to side. The columns to be removed are shaded grey on the diagram.

What percentage of the volume of the original cube remains following the removal of the fifteen columns?

