

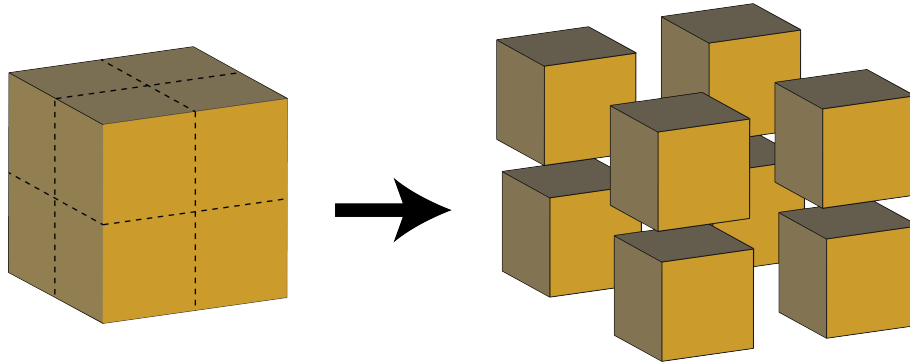


## Problem of the Week

### Problem C

#### I Want More Cubes

Rashid has a wooden cube with a side length of 10 cm. He makes three cuts parallel to the faces of the cube in order to create 8 identical smaller cubes, as shown.



What is the difference between the surface area of the original cube and the total surface area of the 8 smaller cubes?