



## Problem of the Week

### Problem C

#### Cubes, Cubes and More Cubes

A cube measures  $10\text{ cm} \times 10\text{ cm} \times 10\text{ cm}$ . Three cuts are made parallel to the faces of the cube, as shown, creating 8 identical smaller cubes. What is the difference between the surface of the 8 smaller cubes and the surface area of the original cube?

