

Show ALL Work!

Surface Area Problem

Last week, I painted a one-foot cube block of wood using red paint. Yesterday, I decided to cut this cube into smaller blocks, each 3 inches wide. How many of these smaller cubes has red paint on:

- a. 4 of the sides?
- b. 3 of the sides?
- c. 2 of the sides?
- d. 1 of the sides?
- e. 0 of the sides?