Rubik's Cube Colors

Every Rubik's Cube is made up of 27 smaller cubes that are assembled into a larger cube. The outside of the larger cube is colored one of six different colors but each smaller cube has sides that are not colored.

If a Rubik's Cube is broken down into its 27 smaller cubes, how many total sides, counting all the smaller cubes, will <u>not</u> be colored?

