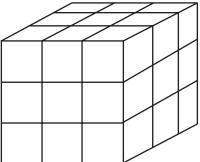
## The Paint Fell on the Cube

A large can of red paint fell on this  $3 \times 3 \times 3$  cube, and all its surface, including its bottom, got covered with red paint.



- 1. How many unit cubes have only one face painted red?
- 2. How many unit cubes have only two faces painted red?
- **3.** How many unit cubes have three faces painted red?
- 4. How many unit cubes have no faces painted red?

## **Answers**

## Page 20: The Paint Fell on the Cube

The cubes are painted as follows: One face painted red: 6. Two faces painted red: 12. Three faces painted red: 8. No faces painted red: 1.