

Name: _____

Date: _____



READY FOR A CHALLENGE?

PAINTED CUBES

A $3 \times 3 \times 3$ cube is painted on the outside. If it is broken up into 27 individual $1 \times 1 \times 1$ unit cubes, how many of these small cubes will have:

- A) 3 sides painted?
- B) 2 sides painted?
- C) 1 side painted?
- D) No sides painted?



Key:

- A) 8
- B) 12
- C) 6
- D) 1