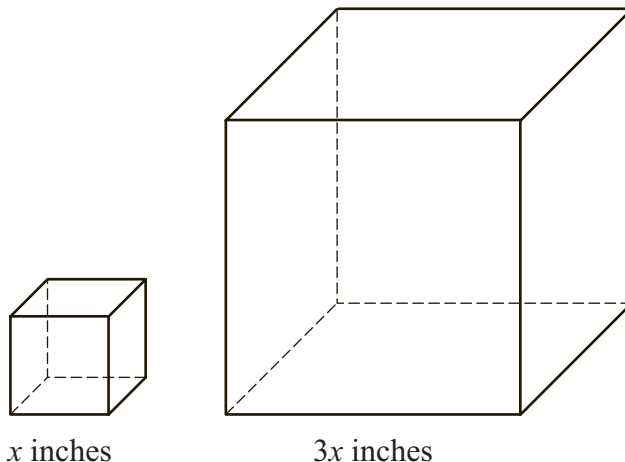


A small cube and a large cube with edge lengths represented by expressions are shown in the diagram below.



The small cube has a volume of 64 cubic inches.

- What is the value of x ? Show or explain how you got your answer.
- What is the surface area, in square inches, of the small cube? Show or explain how you got your answer.
- The surface area of the large cube is how many times the surface area of the small cube? Show or explain how you got your answer.
- The volume of the large cube is how many times the volume of the small cube? Show or explain how you got your answer.