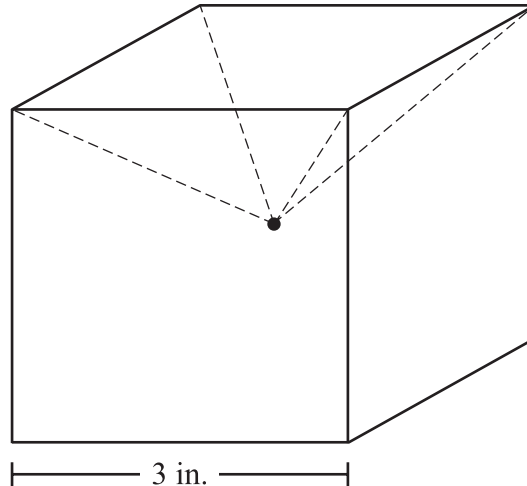


Write your answer to question 42 in the space provided in your Student Answer Booklet.

- 42 A wooden cube with an edge length of 3 inches is composed of six congruent right square pyramids. The cube and one of the pyramids is shown in the diagram below.



- What is the volume, in cubic inches, of the entire cube? Show or explain how you got your answer.
- What is the volume, in cubic inches, of one of the six pyramids? Show or explain how you got your answer.
- What is the total surface area, in square inches, of the cube? Show or explain how you got your answer.
- What is the total surface area, to the nearest square inch, of one of the six pyramids? Show or explain how you got your answer.