

Name _____

Date _____

1. The following solids are made up of 1 cm cubes. Find the total volume of each figure, and write it in the chart below.

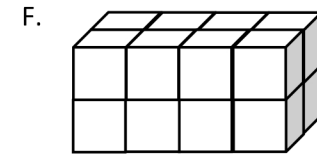
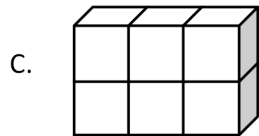
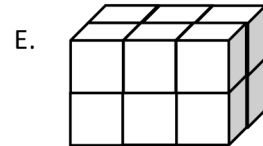
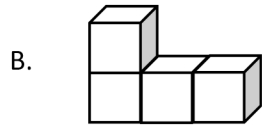
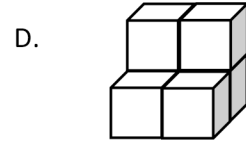
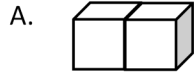
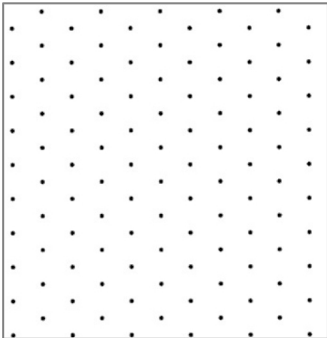


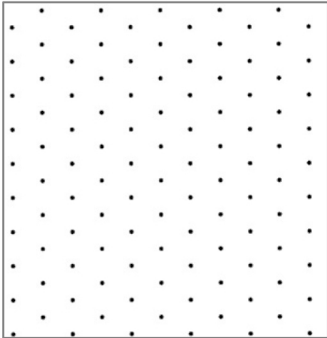
Figure	Volume	Explanation
A		
B		
C		
D		
E		
F		

2. Draw a figure with the given volume on the dot paper.

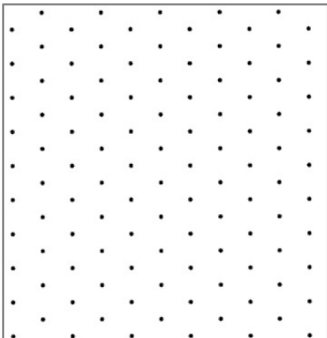
a. 3 cubic units



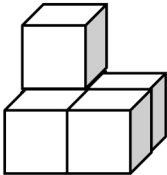
b. 6 cubic units



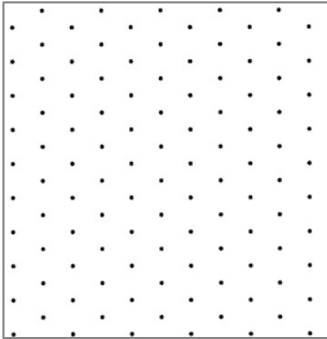
c. 12 cubic units



3. John built and drew a structure that has a volume of 5 cubic centimeters. His little brother tells him he made a mistake because he only drew 4 cubes. Help John explain to his brother why his drawing is accurate.



4. Draw another figure below that represents a structure with a volume of 5 cubic centimeters.



ANswer Key

1. Explanations will vary
 - a. 2 cm^3
 - b. 4 cm^3
 - c. 6 cm^3
 - d. 6 cm^3
 - e. 12 cm^3
 - f. 16 cm^3
2. Answers will vary.
3. A cube is hidden under the second layer, explanations will vary.
4. Answers will vary.