



Name \_\_\_\_\_

Date \_\_\_\_\_

Use the sculpture and table to answer questions 1–11.

Sculpture	Prism	Dimensions	Volume
	A	6 cm by 3 cm by 2 cm	36 cubic centimeters
	B	10 cm by 7 cm by 6 cm	420 cubic centimeters
	C	6 cm by 3 cm by 2 cm	36 cubic centimeters
	D	6 cm by 3 cm by 1 cm	18 cubic centimeters
	E	10 cm by 7 cm by 2 cm	140 cubic centimeters

### Describe

1. The number of prisms in the sculpture is \_\_\_\_\_.
2. Does the sculpture have 5 to 7 right rectangular prisms? Yes or No
3. Are all prisms labeled with letters? Yes or No
4. The letters used are \_\_\_\_\_.
5. Are the dimensions of each prism written with correct units? Yes or No
6. Is the volume of each prism written with correct units? Yes or No

**Analyze**

7. Are the volumes accurate? Yes or No

**Interpret**

8. The volume of prism  $D$  is  $\frac{1}{2}$  the volume of prism \_\_\_\_\_. Show how you know.

9. The volume of prism  $E$  is  $\frac{1}{3}$  the volume of prism \_\_\_\_\_. Show how you know.

10. The total volume of the sculpture is \_\_\_\_\_. Show how you know.

11. Is the total volume of the sculpture 1,000 cubic centimeters or less? Yes or No