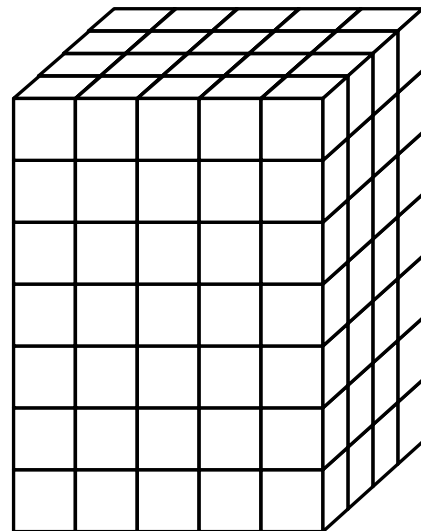
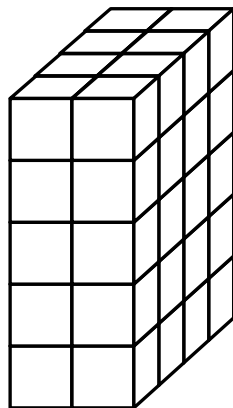
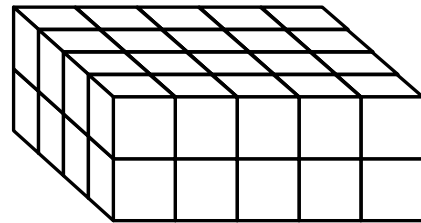
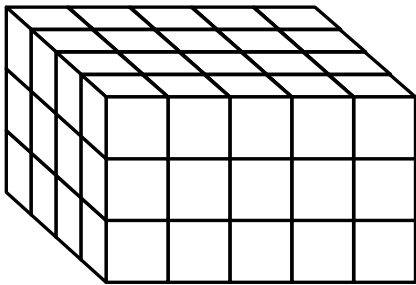




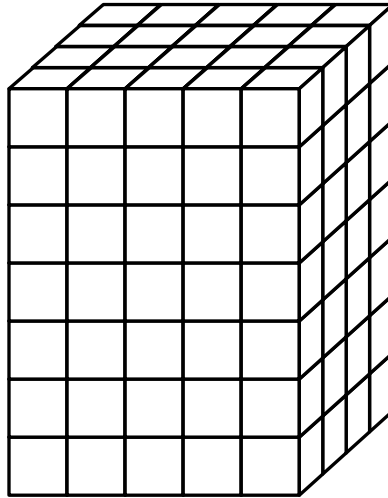
Name \_\_\_\_\_

Date \_\_\_\_\_

1. The right rectangular prisms shown are made of centimeter cubes. Circle the two right rectangular prisms that have the same volume.



2. The right rectangular prism shown is made of centimeter cubes. Use the prism to complete parts (a)–(d).



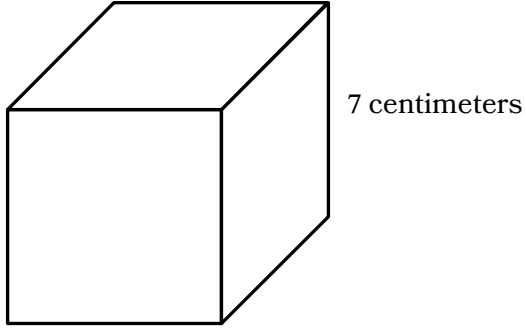
- a. The top layer is made of \_\_\_\_\_ cubes.
- b. The area of the top face is \_\_\_\_\_ square centimeters.
- c. The area of the base is \_\_\_\_\_ square centimeters.
- d. The height of the right rectangular prism is \_\_\_\_\_ centimeters.
- e. The volume of the right rectangular prism is \_\_\_\_\_ cubic centimeters.

Calculate the volume of the right rectangular prism.

3. The area of the base is 24 square inches and the height is 10 inches.
4. The area of the base is 48 square inches and the height is 5 inches.
5. The area of the base is 24 square centimeters and the height is 4 centimeters.
6. The area of the base is 24 square centimeters and the height is 8 centimeters.

Consider each right rectangular prism.

7. What is the area of the base if the volume is 126 cubic centimeters?



8. What is the height if the volume is 180 cubic inches and the area of the base is 45 square inches?