


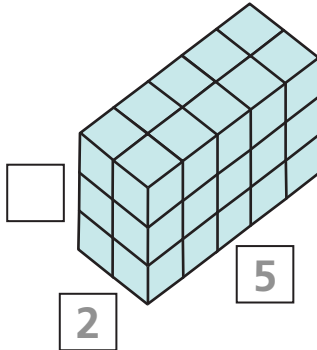
# Volume of Rectangular Prisms

NCTM Standards 1, 3, 4, 7, 8, 9 10

Find the area of the base and the volume of each rectangular prism built out of inch cubes.

 = 1 cu in.

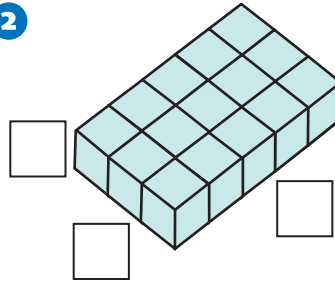
**1**



Area of base: \_\_\_\_\_ sq in.

Volume: \_\_\_\_\_ cu in.

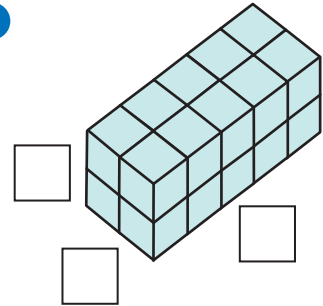
**2**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

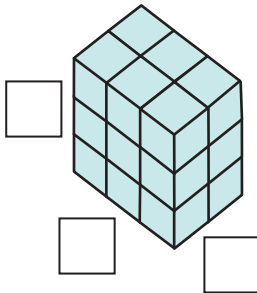
**3**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

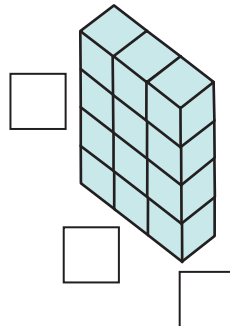
**4**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

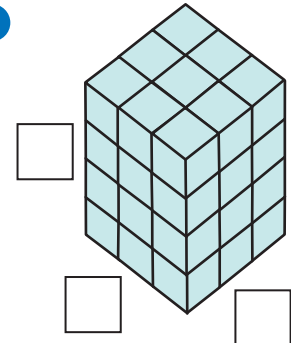
**5**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

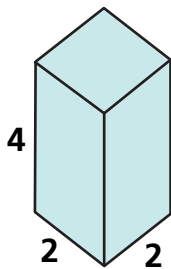
**6**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

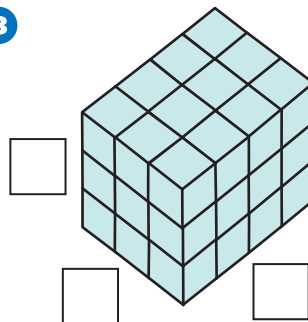
**7**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

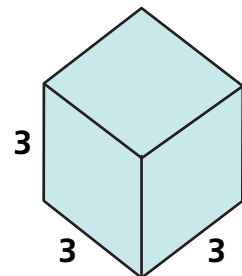
**8**



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

**9**

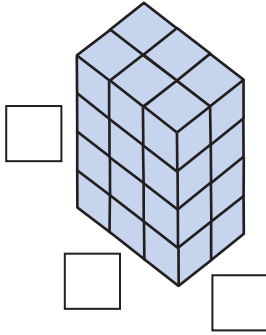


Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

Find the area of the base and the volume of each rectangular prism built out of inch cubes.  = 1 cu in.

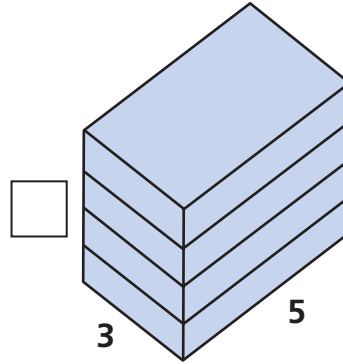
10



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

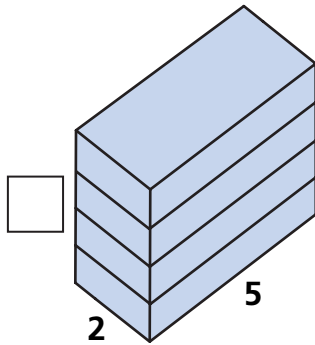
11



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

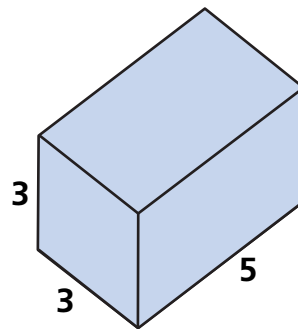
12



Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_

13

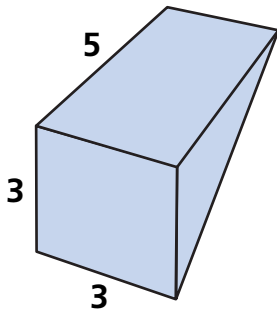


Area of base: \_\_\_\_\_

Volume: \_\_\_\_\_



**14 Challenge** This shape is different. It is related to the rectangular prism shown in Problem 13. Figure out its volume and explain your thinking.



Volume: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_