

Answers

Build Three-Dimensional Shapes

Explore and Grow

7, 24; *Sample answer:* I counted the number of cubes in the top row and in the bottom row, then added the numbers to find the total.

9; *Sample answer:* There are 7 cubes in the bottom row and 2 cubes stacked on top: $7 + 2 = 9$.

16; *Sample answer:* There are 8 cubes in the top row and the same number of cubes in the bottom row:
 $8 + 8 = 16$.

Practice

1. 7
2. 10
3. 12
4. 16
5. 72
6. 7
7. 20
8. 12
9. 96 unit cubes
10. *Sample answer:* 3 cubes wide, 4 cubes long, 1 cube tall; 4 cubes wide, 1 cube long, 3 cubes tall; 2 cubes wide, 3 cubes long, 2 cubes tall; 2 cubes wide, 2 cubes long, 3 cubes tall