

Find the surface area of each solid figure.



6. Solve the problem.

## Practice and Problem Solving: C

Answers may vary for Exercises 1 and 2.

- 1. 22 ft<sup>2</sup>
- 2. 30 ft<sup>2</sup>
- 3. 104 ft<sup>2</sup>
- 4. 223.4m<sup>2</sup>
- 5. 60.75 m<sup>2</sup>
- 6. 258.39 m<sup>2</sup>
- 7. A = 52 units<sup>2</sup>; P = 36 units



# Practice and Problem Solving: D

- 1. C
- 2. B
- 3. 17 ft<sup>2</sup>
- 4. 30.28 m<sup>2</sup>
- 5. 174 ft<sup>2</sup>
- 6. 84 m<sup>2</sup>
- 7. 158.13 ft<sup>2</sup>
- 8. 288 m<sup>2</sup>
- 9. 189.25 ft<sup>2</sup>

### Reteach

1. 9, 
$$1\frac{1}{2}$$
,  $\frac{1}{2}$ , 1, 9,  $1\frac{1}{2}$ ,  $\frac{1}{2}$ , 1, 12  
2. 32, 6, 32, 6, 38

### **Reading Strategies**

- 1.63 m<sup>2</sup>
- 2. 76 m<sup>2</sup>
- 3. 30.28 m<sup>2</sup>

#### Success for English Learners

1. Separate the figures into simpler figures whose areas you can find.

# LESSON 9-4

#### Practice and Problem Solving: A/B

- 1. 142 in<sup>2</sup>
- 2. 190 cm<sup>2</sup>
- 3. 1,236 cm<sup>2</sup>
- 4. 3,380 ft<sup>2</sup>
- 5. Possible answer: I would find the total surface area of each cube and then subtract the area of the sides that are not painted, including the square underneath the small cube.
- 6. 384 in<sup>2</sup>

# Practice and Problem Solving: C

- 1. 101.4 in<sup>2</sup>
- 2. 797.4 m<sup>2</sup>
- 3. Check students' guesses.
- 4. B; 384 in<sup>2</sup>
- 5. C; 340 in<sup>2</sup>
- 6. A; 338.8 in<sup>2</sup>
- 7. Discuss students' guesses and whether they were correct or not.

### Practice and Problem Solving: D

- 1. 286 ft<sup>2</sup>
- 2. 1,160 ft<sup>2</sup>
- 3. 80 in<sup>2</sup>
- 4. 124 in<sup>2</sup>
- 5. 96 in<sup>2</sup>
- 6. 384 in<sup>2</sup>
- 7. 480 in<sup>2</sup>