

Unit 1: Area and Surface Area

PRACTICE

Name: _____ Date: _____

Solve each problem and write your answer in simplest form. Areas are in square units and surface areas in square units unless a unit is given.

1. A parallelogram has a base of 9 cm and a height of 6 cm. What is its area in square centimeters?

Answer: _____

2. A triangle has a base of 12 in and a height of 5 in. What is its area in square inches?

Answer: _____

3. A parallelogram has an area of 84 square meters and a base of 12 meters. What is its height in meters?

Answer: _____

4. A triangle has an area of 48 square feet and a base of 16 feet. What is its height in feet?

Answer: _____

5. A triangle has a base of 7 cm and a height of 3 cm. What is its area in square centimeters? Give your answer as a fraction or decimal.

Answer: _____

6. A cube has an edge length of 4 cm. What is its total surface area in square centimeters?

Answer: _____

7. A rectangular prism has dimensions 5 cm by 3 cm by 2 cm. What is its surface area in square centimeters?

Answer: _____

8. A parallelogram has a base of 8.5 m and a height of 4 m. What is its area in square meters?

Answer: _____

9. A net of a square pyramid has a square base with side 6 in and 4 triangular faces each with area 15 square inches. What is the total surface area in square inches?

Answer: _____

10. A rectangle is split along a diagonal into two identical triangles. The rectangle is 10 cm by 4 cm. What is the area of ONE triangle in square centimeters?

Answer: _____

11. A triangle has a base of $\frac{2}{3}$ m and a height of 9 m. What is its area in square meters?

Answer: _____

12. A cube has a total surface area of 150 square inches. What is the area of one face in square inches?

Answer: _____