Unit 1: Area and Surface Area

CONCEPT

Name: _____ Date: _____

Solve each problem. Write your answer as a number with the correct unit understood; use plain-text notation like 1/2 for fractions.

1. A parallelogram has a base of 8 cm and a height of 5 cm. What is its area in square centimeters?

Answer: _____

2. A triangle has a base of 10 in and a height of 6 in. What is its area in square inches? Use Area = 1/2 × base × height.

Answer: _____

3. A rectangle is 7 m long and 4 m wide. What is its area in square meters?

Answer: _____

4. A square has a side length of 9 ft. What is its area in square feet?

Answer: _____

5. A parallelogram has an area of 36 square units and a base of 6 units. What is its height in units?

Answer: _____

6. A triangle has an area of 24 square cm and a base of 8 cm. What is its height in centimeters? Use Area = 1/2 × base × height.

Answer: _____

7. A cube has edges 3 cm long. Each of its 6 faces is a square. What is the total surface area of the cube in square centimeters?

Answer: _____

8. A net is made of 6 identical squares, each with an area of 5 square inches. What is the total surface area shown by the net in square inches?

Answer: _____

9. A rectangular box has a surface area net made of 6 rectangles. Their areas are 12, 12, 8, 8, 6, and 6 square units. What is the total surface area in square units?

Answer: _____

10. A triangle has a base of 5 cm and a height of 4 cm. What is its area in square centimeters? Use Area = 1/2 × base × height.

Answer: _____

11. A rectangular prism has 6 faces. Two faces have area 10, two have area 15, and two have area 6 (all in square meters). What is the total surface area in square meters?

Answer: _____

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

Answer: _____