

Unit 1: Area and Surface Area

PRACTICE · SET 2

Name: _____ Date: _____

Show your work and write each final answer on the line provided. Use correct units where they apply.

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 m and a height of 5 m. What is its area in square meters?

Answer: _____

3. A rectangle is 7 in wide and 8 in long. What is its area in square inches?

Answer: _____

4. A parallelogram has an area of 48 square cm and a base of 8 cm. What is its height in centimeters?

Answer: _____

5. A triangle has an area of 21 square ft and a base of 6 ft. What is its height in feet?

Answer: _____

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

Answer: _____

7. A rectangular prism is 5 cm long, 3 cm wide, and 2 cm tall. What is its total surface area in square centimeters?

Answer: _____

8. A triangle has a base of 10 cm and a height of 3.5 cm. What is its area in square centimeters?

Answer: _____

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

Answer: _____

10. A parallelogram has a base of $4\frac{1}{2}$ in and a height of 2 in. What is its area in square inches? Give your answer as a fraction or decimal.

Answer: _____

11. A composite figure is made of a rectangle of area 40 square cm joined to a triangle of area 12 square cm. What is the total area in square centimeters?

Answer: _____

12. A cube has a total surface area of 54 square inches. What is the area of one face in square inches?

Answer: _____