

Area of Composite Shapes - Practice Worksheet

Name: _____ Date: _____

Instructions: Find the area of each composite shape. Show your work by splitting each figure into simpler shapes, calculating each part, then combining. Include units in your answer.

1. An L-shape: the full rectangle is 8 cm wide and 6 cm tall. A 3 cm x 2 cm rectangle is cut from the top-right corner. Find the area of the L-shape.

2. A T-shape: a horizontal rectangle 10 cm wide and 2 cm tall sits on top of a vertical rectangle 4 cm wide and 5 cm tall. Find the total area.

3. A plus/cross shape: a horizontal rectangle 9 m wide and 3 m tall overlaps a vertical rectangle 3 m wide and 9 m tall, sharing a 3 m x 3 m center. Find the total area.

4. A rectangle 12 cm wide and 8 cm tall has a right triangle cut from one corner. The triangle has base 4 cm and height 3 cm. Find the remaining area.

5. A composite shape made of a rectangle 10 ft wide and 4 ft tall with a right triangle attached to one end. The triangle has base 3 ft and height 4 ft. Find the total area.

6. A rectilinear shape: outer rectangle is 14 cm wide and 10 cm tall. A 4 cm x 6 cm rectangle is removed from the bottom-left corner. Find the area.

7. A semicircle (radius 5 m) is attached to the top of a rectangle 10 m wide and 8 m tall. Find the total area. Use $\pi = 3.14$.

8. A composite shape: rectangle 15 cm x 6 cm with a 3 cm x 3 cm square notch cut from the middle of the top edge. Find the area.

9. An L-shape with outer dimensions 12 m wide and 10 m tall. The missing rectangle in the top-right is 7 m wide and 6 m tall. Find the area.

10. A composite shape: a large rectangle 20 cm x 12 cm contains two non-overlapping circular holes each with radius 2 cm. Find the remaining area. Use $\pi = 3.14$.

Answer Key

1. 42 cm²
2. 40 cm²
3. 45 m²
4. 90 cm²
5. 46 ft²

- 6. 116 cm^2
- 7. 119.25 m^2
- 8. 81 cm^2
- 9. 78 m^2
- 10. 214.88 cm^2