

Area of Composite Figures - Practice Worksheet

Name: _____ Date: _____

Instructions: Find the area of each composite figure. Show your work by splitting each shape into simpler parts, calculating each part's area, then adding or subtracting as needed.

1. An L-shape is made of two rectangles. The full width is 8 cm and total height is 6 cm. The top-right rectangle cut away is 3 cm wide and 4 cm tall. Find the area of the L-shape.

2. A rectangle is 10 m long and 5 m wide. A square of side 2 m is cut from one corner. Find the remaining area.

3. A T-shape: the top bar is 12 ft long and 3 ft tall; the vertical stem is 4 ft wide and 5 ft tall. Find the total area.

4. A composite shape is made of a rectangle (9 cm x 4 cm) with a right triangle attached to one end. The triangle has a base of 4 cm and a height of 3 cm. Find the total area.

5. A plus-sign shape: a horizontal rectangle 15 in x 3 in overlaps a vertical rectangle 3 in x 15 in at the center. Find the area (do not double-count the overlapping 3x3 square).

6. A composite figure has a rectangle 14 cm x 6 cm with a semicircle of diameter 6 cm added to one short end. Use $\pi = 3.14$. Find the total area.

7. A rectilinear figure has an outer rectangle of 10 m x 8 m with a rectangular notch of 4 m x 3 m cut from the top-right corner. Find the area.

8. A composite shape is formed by placing a triangle (base 8 ft, height 5 ft) on top of a rectangle (8 ft x 6 ft). Find the total area.

9. A running track end-cap: a rectangle 20 m x 8 m has a semicircle of diameter 8 m removed from each short end. Use $\pi = 3.14$. Find the remaining area.

10. A composite figure is made of a large rectangle (12 cm x 10 cm) with a right triangle (legs 4 cm and 6 cm) cut from one corner and a square of side 3 cm cut from the opposite corner. Find the remaining area.

Answer Key

1. 32 sq cm
2. 46 sq m
3. 56 sq ft
4. 42 sq cm

- 5. 81 sq in
- 6. 98.13 sq cm
- 7. 68 sq m
- 8. 68 sq ft
- 9. 109.76 sq m
- 10. 99 sq cm