



# Math Worksheet for 6th Grade

## Area of composite figures

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

Questions (find area; give answers in square units):

1. Two congruent right triangles have legs 6 and 4 and are joined to form a rectangle. What is the area of one triangle?
2. A rectangle 8 by 5 is cut along a diagonal into two congruent triangles. What is the area of each triangle?
3. Two identical right triangles, each with legs 10 and 3, are combined to make a rectangle. Find the area of one triangle.
4. A square has side length 8 and is cut along a diagonal into two congruent triangles. What is the area of one triangle?
5. A right triangle has legs 7 and 4. What is the area of the triangle?
6. A rectangle 12 by 5 is cut into two pieces (8 by 5 and 4 by 5) and the pieces are rearranged to form a 6 by 10 rectangle. What was the area of the original rectangle?
7. Two congruent isosceles right triangles with legs 5 are joined to form a square. What is the area of one triangle?
8. A right triangle has base 9 and height 6. What is its area?
9. A rectangle 15 by 2 is cut into pieces 5 by 2 and 10 by 2, then rearranged to form a 6 by 5 rectangle. What was the area of the original rectangle?
10. A right triangle has legs 8 and 5. Find its area.
11. Two congruent triangles with base 14 and height 3 form a rectangle when joined. What is the area of one triangle?
12. A square of side 10 is cut into two congruent triangles. What is the area of each triangle?
13. An L-shaped figure is formed by two rectangles 8 by 3 and 5 by 3 that share a side. What is the total area?
14. A rectangle 12 by 6 has a right triangle (base 4, height 6) removed from one end. What is the area remaining?
15. A 9 by 4 rectangle has another 9 by 2 rectangle attached on top. Find the total area.
16. A rectangle 10 by 6 has a 3 by 6 rectangle removed from one corner. What is the area left?
17. A composite shape is a rectangle 8 by 5 with a right triangle of base 8 and height 3 on top. What is the total area?
18. A square of side 6 has a 6 by 2 rectangle removed from one side. What is the area of the remaining figure?
19. Two rectangles, 7 by 4 and 7 by 3, are stacked. What is the total area?
20. A rectangle 14 by 4 has a triangle on top with base 14 and height 3. What is the total area?
21. A big rectangle 10 by 8 has a small rectangle 4 by 3 removed. What is the area of the remaining shape?
22. A 12 by 4 rectangle has a right triangle attached with base 6 and height 4. What is the total area?
23. A T-shaped figure consists of a 12 by 3 rectangle with a centered 4 by 4 rectangle attached on top. What is the total area?
24. A 9 by 5 rectangle has a right triangle attached with base 5 and height 4. What is the total area?
25. A rectangle 11 by 3 has a 3 by 3 square removed from one corner. What is the area left?
26. A shape is made of two rectangles 6 by 4 and 4 by 2 joined side by side. What is the total area?
27. A rectangle 9 by 6 has a triangular piece removed with base 3 and height 6. What is the area remaining?
28. A rectangle 10 by 4 has a triangle on top with base 10 and height 2. What is the total area?
29. A square 8 by 8 has a triangle on top with base 8 and height 3. What is the total area?



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30. Two rectangles, 6 by 5 and 3 by 5, are placed side by side. What is the total area?
31. A rectangle 13 by 3 has a triangle attached with base 13 and height 2. What is the total area?
32. A square 7 by 7 has a 7 by 2 strip removed. What is the remaining area?
33. Two rectangles 8 by 2 and 5 by 4 are joined end to end. What is the total area?
34. A rectangle 12 by 5 has a triangular notch removed with base 4 and height 5. What is the remaining area?
35. A rectangle 6 by 9 has a small rectangle 2 by 3 removed. What is the area left?
36. A house-shaped figure: square 6 by 6 with an isosceles triangle on top (base 6, height 3). What is the total area?
37. A rectangle 15 by 2 has a triangle attached with base 5 and height 2. What is the total area?
38. A figure is made of three stacked rectangles: 4 by 3, 4 by 2, and 4 by 1. What is the total area?
39. A trapezoid has bases 8 and 5, height 4. What is its area?
40. A trapezoid has bases 10 and 6, height 3. What is its area?
41. A trapezoid with bases 7 and 3 has height 6. Find its area.
42. A trapezoid has bases 12 and 8 and height 5. Find the area.
43. A trapezoid has bases 9 and 9 (a parallelogram shape) and height 4. What is the area?
44. A trapezoid has bases 14 and 2 and height 3. What is the area?
45. A trapezoid has bases 5 and 3 and height 8. What is the area?
46. A trapezoid has bases 11 and 7 and height 2. What is the area?
47. A trapezoid has bases 4 and 6 and height 5. Find the area.
48. A trapezoid has bases 13 and 5 and height 4. What is the area?
49. A trapezoid has bases 20 and 10 and height 3. What is the area?
50. A trapezoid has bases 6 and 2 and height 7. What is the area?