

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Find the area of a triangle with base 10 cm and height 6 cm.
2. Find the area of a triangle with base 14 m and height 5 m.
3. Find the area of a triangle with base 8 cm and height 3.5 cm.
4. Find the area of a triangle with base 7 cm and height 4 cm.
5. Find the area of a triangle with base 12 in and height 9 in.
6. Find the area of a triangle with base 9 cm and height 9 cm.
7. Find the area of a triangle with base 2.5 m and height 4 m.
8. Find the area of a triangle with base 15 cm and height 2 cm.
9. Find the area of a triangle with base 18 mm and height 7 mm.
10. Find the area of a triangle with base 6.5 cm and height 3 cm.
11. A triangle has base 20 cm and area 60 cm^2 . What is its height?
12. A triangle has height 8 m and area 48 m^2 . What is its base?
13. The area of a triangle is 30 cm^2 and its base is 6 cm. Find the height.
14. The area of a triangle is 75 in^2 and its height is 10 in. Find the base.
15. A triangle has area 22.5 m^2 and base 5 m. Find its height.
16. The area of a triangle is 36 cm^2 and one side (used as base) is 9 cm. What is the height to that base?
17. A triangular garden has base 12 m and area 54 m^2 . What is the garden's height?
18. A triangle's area is 16.5 cm^2 and its height is 3 cm. Find the base.
19. The area of a triangle is 40 cm^2 . If its height is 8 cm, what is the base?
20. The area of a triangle is 27 in^2 and base is 6 in. Find the height.
21. Calculate the area of a triangle with base $\frac{3}{4}$ m and height $\frac{2}{3}$ m.
22. A triangle has base $\frac{5}{2}$ cm and height 3 cm. Find the area.
23. Find the area of a triangle with base 4.5 m and height 2.2 m.
24. A triangle has base 0.8 m and height 1.5 m. Find the area (in m^2).
25. The area of a triangle is 12.5 cm^2 and its base is 5 cm. What is the height?
26. A triangular sail is 6 m high (height) and its base along the boom is 3.5 m. What is the sail's area?
27. A right triangle has legs 9 cm and 12 cm. Find its area.
28. A right triangle has legs 7 m and 24 m. Find its area.
29. A triangle sits on a rectangular base. The rectangle is 10 cm by 6 cm; a triangle on top has the same base length 10 cm and height 4 cm. What is the area of the triangle?
30. A triangle has base 14 cm and area 98 cm^2 . Find the height.
31. A triangular flower bed has a base of 8 ft and height 3 ft. How many square feet of soil are needed to cover it?



Math Worksheet for 6th Grade

Areas of triangles

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32. A triangular piece of paper has area 18 cm^2 and base 6 cm. What is the height? If the height is increased to 9 cm with the same base, what is the new area?
33. A triangular roof panel has area 24 m^2 and base 6 m. What is its height? If two such panels are used, what is the total triangular area?
34. A triangular playground has base 20 m and area 150 m^2 . Find the height.
35. A triangular ramp has base 4 m and height 1.2 m. What is its area in square meters?
36. A triangle has base 11 cm and height unknown. If its area is 33 cm^2 , find the height.
37. A triangle's base is 9 cm and height is $\frac{2}{3}$ of the base. Find the area.
38. A triangle's height is 5 cm and base is 3 times the height. Find the area.
39. A triangular banner has a base of 2.5 m and area 3.75 m^2 . Find the height.
40. A triangular plot of land has area 210 m^2 and base 21 m. Find the height.
41. A triangle and a rectangle share the same base of 12 cm. The triangle's height is 4 cm. What is the area of the triangle?
42. A triangle has vertices that make the base 13 cm and the corresponding height 5 cm. Find the area.
43. A triangle has area 8.4 m^2 and base 4 m. What is the height?
44. A triangular sign has base 1.2 m and height 0.5 m. What is its area?
45. A triangular slice of pizza is modeled as a triangle with base 10 cm and height 12 cm. What is the area of the slice?
46. A triangle's area is 100 cm^2 . If its base is doubled and the height is halved, what is the new area?
47. A triangle has area 48 cm^2 and height 6 cm. If you tripled the base (keeping the height same), what would the new area be?
48. The area of an isosceles triangle is 60 cm^2 . Its height to the base is 10 cm. What is the base length?
49. A triangular field has base 30 m and height 8 m. A path along the height reduces the triangular area by $\frac{1}{4}$. What is the area of the remaining triangle?
50. A triangle has base 4.8 m and area 14.4 m^2 . Find the height.