

Lesson 54: Area of Triangles

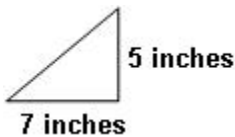
Purpose of lesson: You will learn how to find the **area** of triangles.



Before learning how to find the area of a triangle, we will review the parts of a triangle.

The **base** of a triangle is the part of a triangle that it rests on.
The **height** of a triangle is how tall the triangle is.

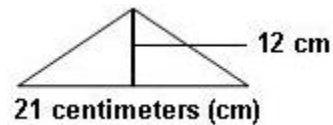
a)



The **base** of the triangle is 7 in.

The **height** of the triangle is 5 in.

b)



The **base** of the triangle is 21 cm.

The **height** of the triangle is 12 cm.

Now it's your turn:

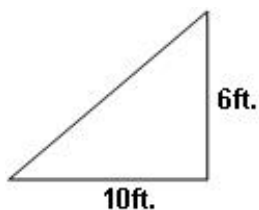
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The **area** of a triangle is found by :
Multiplying the base (b) x height (h) then dividing by 2.
Area = base x height divided by 2 ($A = b \times h \div 2$)

Now let's try to find the area of some triangles:

a)

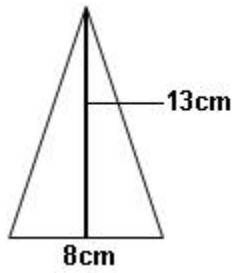


Area = base (b) x height (h) divided by 2

Area = 10ft. x 6ft. ÷ 2

Area = 30 sq.ft.

b)



$$\begin{aligned}A &= b \times h \div 2 \\A &= 8 \times 13 \div 2 \\A &= 104 \div 2 \\A &= 52 \text{ sq.cm}\end{aligned}$$

Now it's your turn!

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