Algebra: Area of a Triangle

Find and use the formula to find the area of a triangle.

The area of a parallelogram is $A = bh$.

A triangle is half of a parallelogram. So, the formula for finding the area of a triangle is

$$A = \frac{1}{2} \times b \times h \text{ or } A = \frac{1}{2}bh \text{ or } A = \frac{bh}{2}.$$  

$$A = \frac{bh}{2}$$

$$A = \frac{12 \times 8}{2} = \frac{96}{2} = 48$$

The area of the triangle is 48 square meters or 48 $m^2$.

Find the area of each triangle.

1. 12 in. 4 in.

2. 3 in. 1/2 in.

3. 26 m 13 m

4. 9 ft 16.5 ft

5. 30 cm 80 cm

6. 12 m 10.4 m

7. 5 in. 8 1/8 in.

8. 4 cm 3 cm

9. 16.79 cm 15.25 cm