

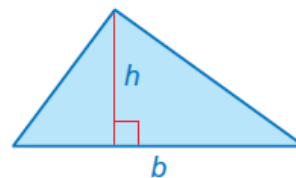
## Lesson 4.2 Area of Triangles

### Key Idea

#### Area of a Triangle

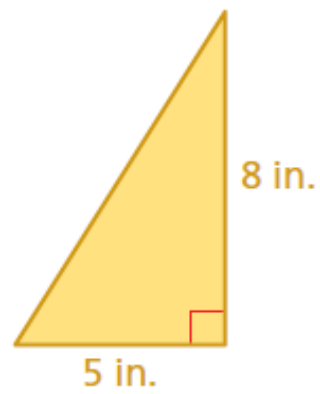
**Words** The area  $A$  of a triangle is one-half the product of its base  $b$  and its height  $h$ .

**Algebra**  $A = \frac{1}{2}bh$



**Example 1: Finding the Area of a Triangle**

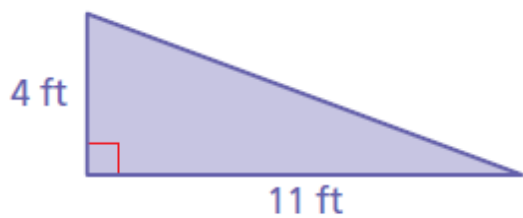
Find the area of the triangle.



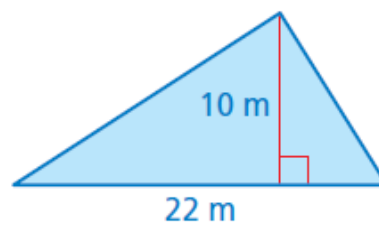
**Example 1: On Your Own**

Find the area of the triangle.

1.

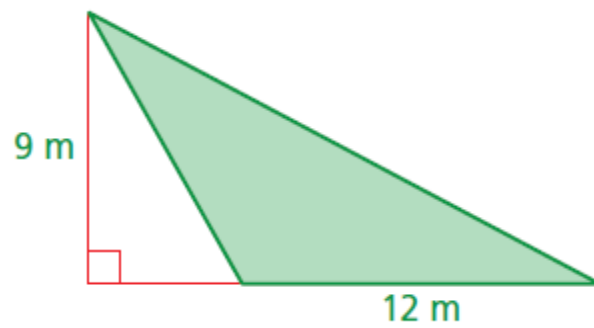


2.



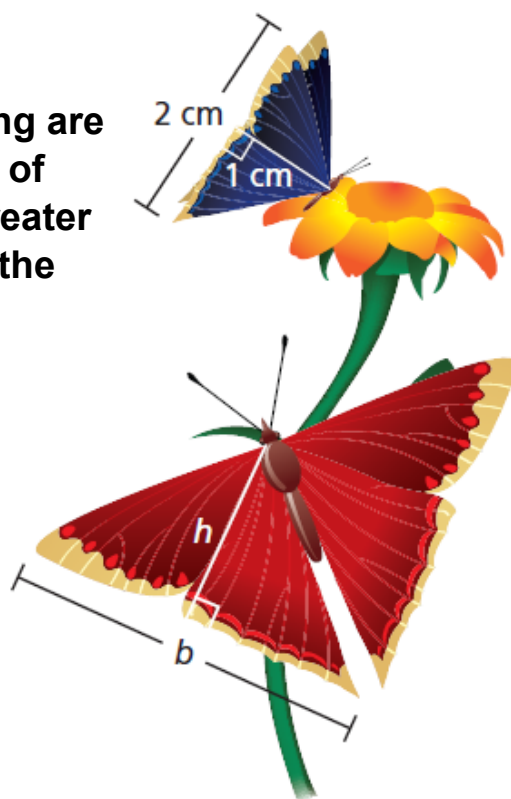
**Example 2: Finding the Area of a Triangle**

Find the area of the triangle.



**Example 3: Real-Life Application**

The base and height of the red butterfly wing are two times greater than the base and height of the blue butterfly wing. How many times greater is the area of the red wing than the area of the blue wing?



**Example 2: On Your Own**

3. Find the area of the triangle.

