# Exercise 1: Calculating Area

This is a basic exercise on defining a class that helps calculate the area of a triangle.

# Problem Statement #

Let's start with a very basic example.

Write a *class* called `Triangle` having **two** `public` variables for `length` and `height` and **one** *member* function called `area` which will *return* the **area** of the right angle **triangle**. You can calculate the area of a triangle using

$$Area = 1/2(length)(height)$$

## Input #

two variables (integer or float) as the dimensions of the triangle

## Output #

area of that triangle

## Sample Input #

4, 5

## Sample Output #

# Coding Challenge #

**Write your code below**. It is recommended that you try solving the exercise yourself before viewing the solution.

**Good Luck!**

> Note: There is a `test` function given in the code for testing purposes. Do not modify it.

```php
<?php

//define your class here
// name your class Triangle
//name your function area



//This is a test function. Do not change it.
function test($length, $height) {

  $answer=0;
  $obj = new Triangle;
  $obj->length= $length;
  $obj->height= $height;
  echo "Area: ".$obj->area();
  $answer = $obj->area();

  return $answer;
}
?>
```