# Triangle Contracts

Referenced from lesson [Contracts](https://www.bootstrapworld.org/materials/spring2021/en-us/courses/data-science/lessons/contracts/index.shtml) (Spring, 2021)

1. What kind of triangle does the triangle function produce?

There are lots of other kinds of triangles! And Pyret has lots of other functions that make triangles!

triangle:: (size:: Number, style :: String, color :: String) -> Image

right-triangle:: (base::Number, height::Number, style::String, color::String) -> Image

isosceles-triangle:: (leg::Number, angle::Number, style::String, color::String) -> Image

1. Why do you think triangle only needs one number, while right-triangle and isosceles-triangle need two numbers and triangle-sas needs three?
2. Write right-triangle expressions for the images below. *One argument for each should be 100.*

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1. What do you think the numbers in the right-triangle represent?
2. Write isosceles-triangle expressions for the images below. *1 argument for each should be 100.*

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1. What do you think the numbers in isosceles-triangle represent?
2. Write 2 expressions that would build **right-isosceles** triangles. Use right-triangle for one expression and isosceles-triangle for the other expression.

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