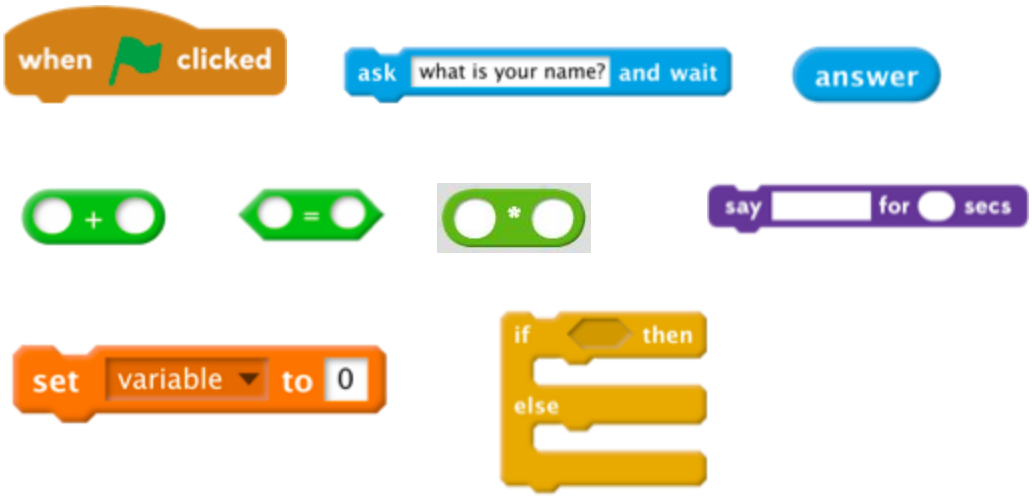
@ashleyanntewes

Pythagorean Theorem Solver- #CSandMath

Project Goal:
Students will create a program that will solve for the missing side length of a right triangle. The player will choose which side of a right triangle they want to solve for, type in the side lengths they know, then the program will solve for the missing side of the triangle.

Standard:
CCSS.MATH.CONTENT.8.G.B.7 Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

Blocks:



Student Handout:
[Pythagorean Theorem Solver Introduction]

Teacher Guide:
[Step-by-Step Instructions]
Solution:

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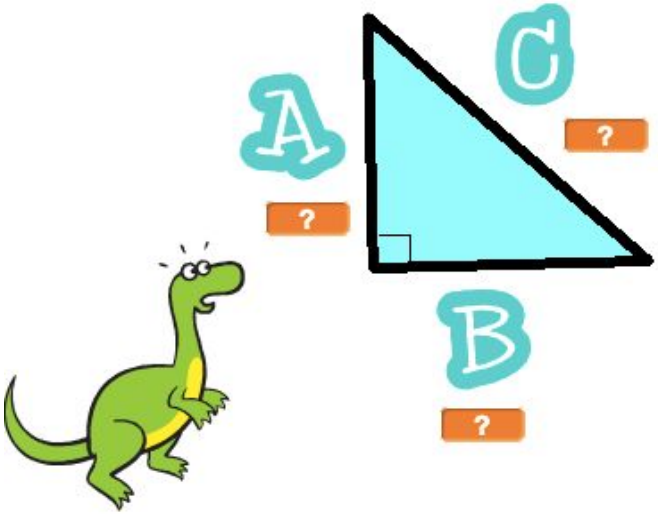
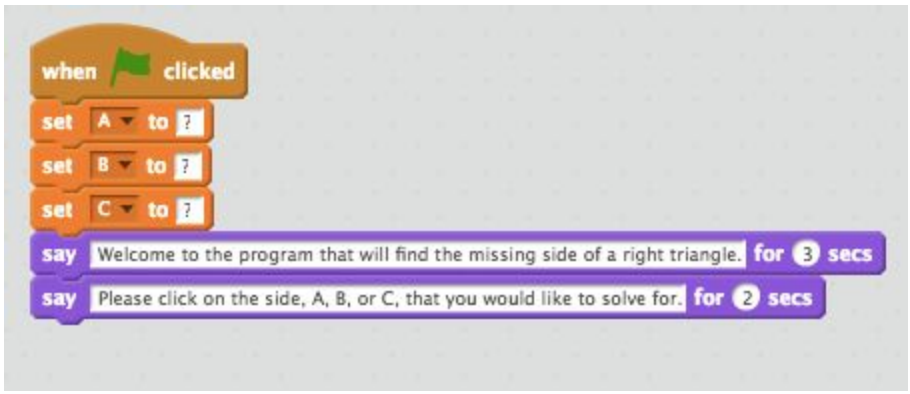
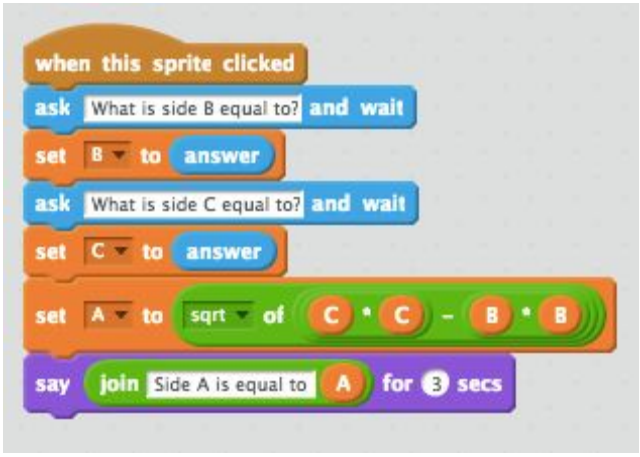
The Main Screen may appear as follows:



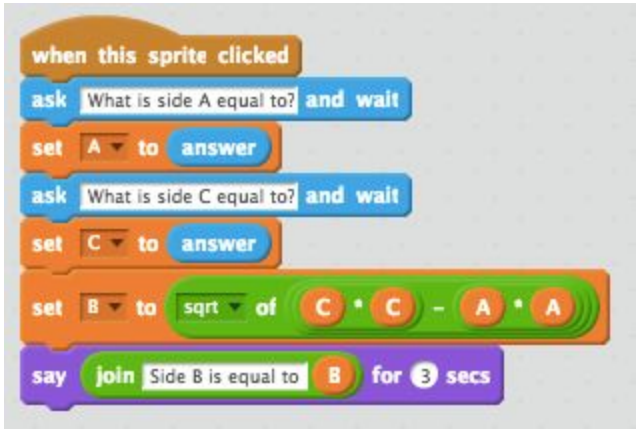
Inside of the Dinosaur Sprite:



Inside of the “A” Sprite:



Inside of the “B” Sprite:



Inside of the “C” Sprite: