



Right Triangle Check

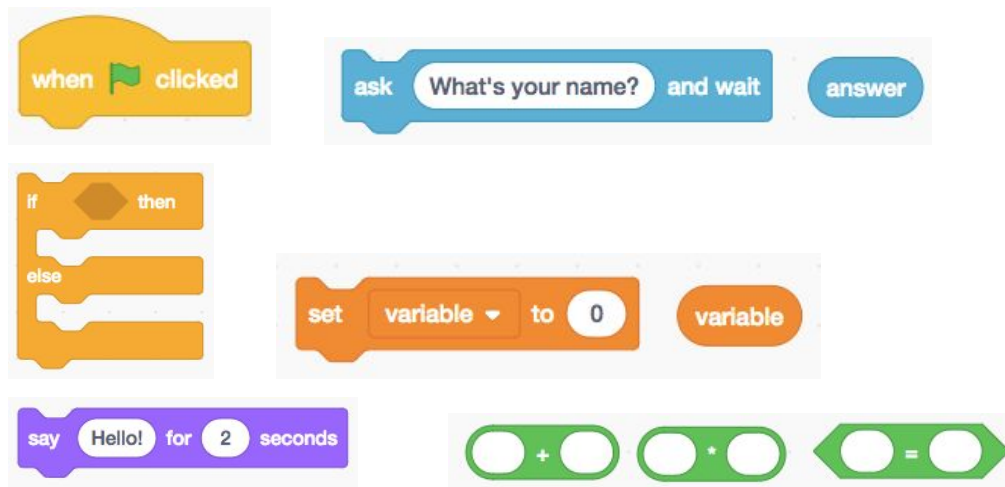
Project Goal:

The user types in three side lengths of a triangle. The program will tell the user if the triangle lengths create a right triangle or not.

Standard: [CCSS.MATH.CONTENT.8.G.B.7](https://www.illustrativemathematics.org/HS-M8-G7-8-7-1)

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: [Right Triangle Check Student Guide](#)

Teacher Video: [Right Triangle Check Teacher Guide](#)





Solution:

```
when clicked
  ask "What is the side length of side A?" and wait
  set A to answer
  ask "What is the side length of side B?" and wait
  set B to answer
  ask "What is the side length of side C?" and wait
  set C to answer
  if (A * A + B * B = C * C) then
    say "Yes, it is a right triangle!" for 2 seconds
  else
    say "No, it is not a right triangle!" for 2 seconds
```

