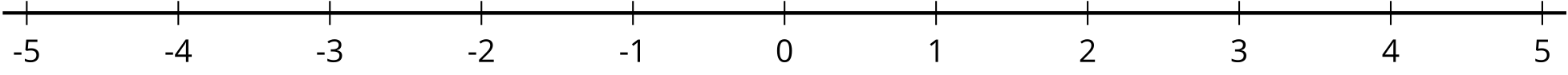
## Unit 7 Lesson 15: Irrational Numbers

### 1 Finding a Home for Irrational Numbers (Warm up)

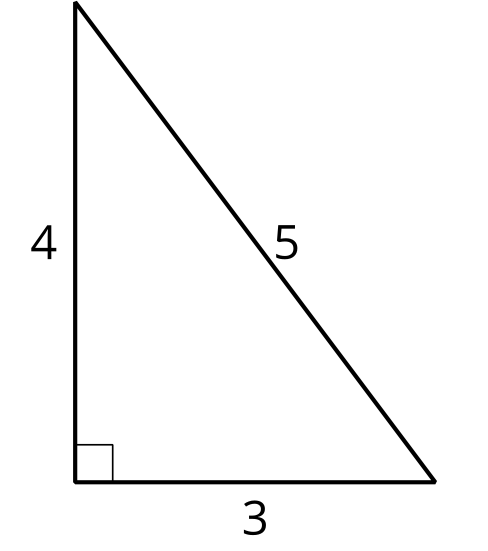
#### Student Task Statement

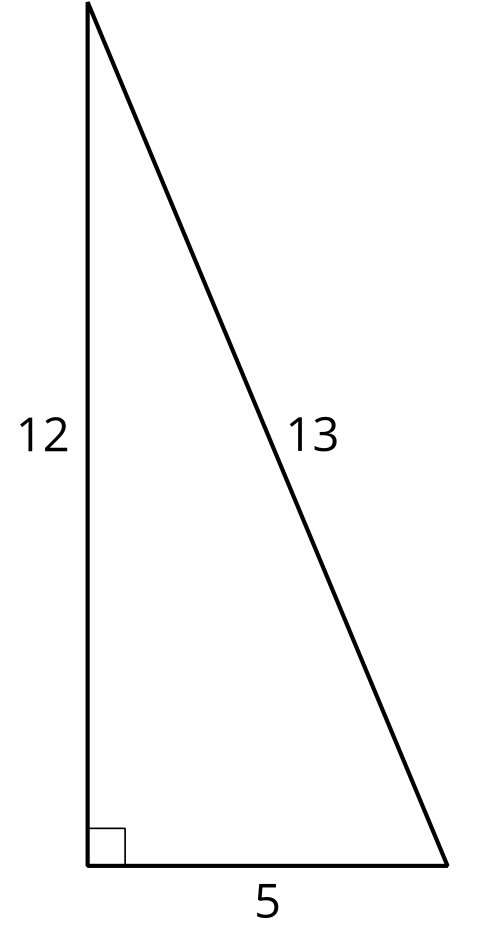


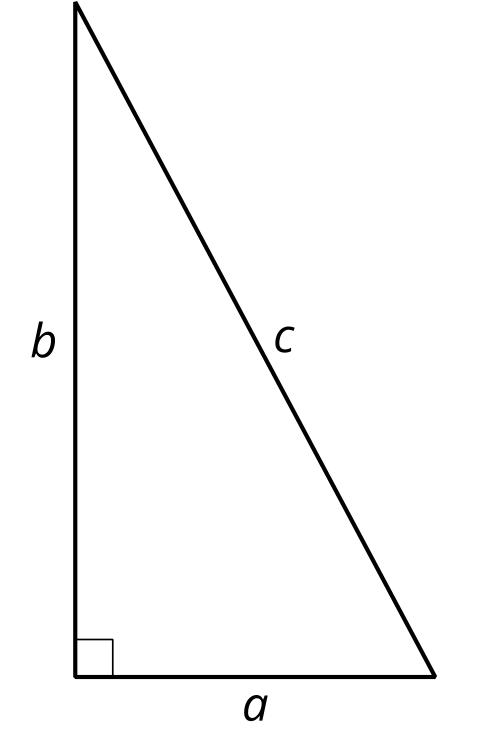
Use the number line to place these values in their approximate location.

### 2 Solving for Missing Sides

#### Images for Launch

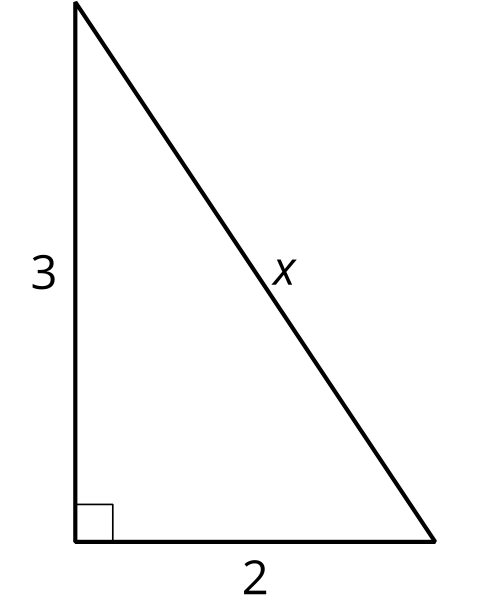
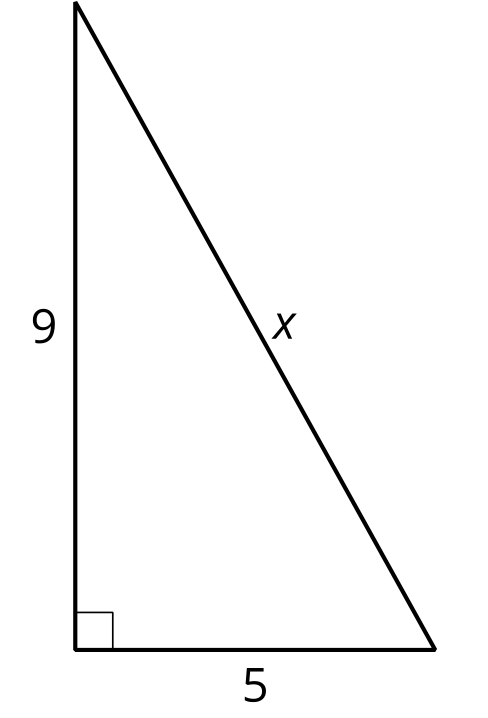
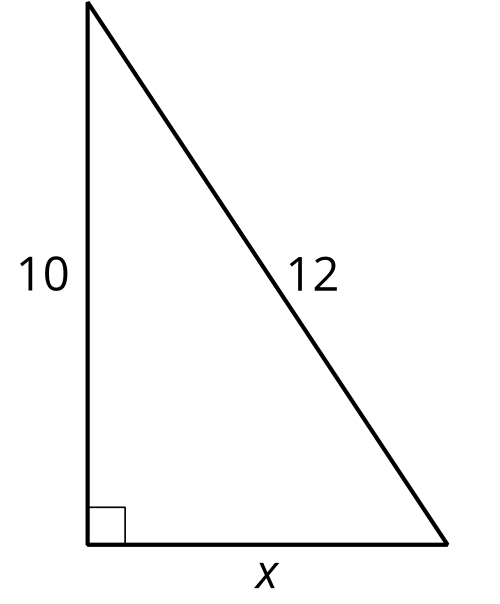
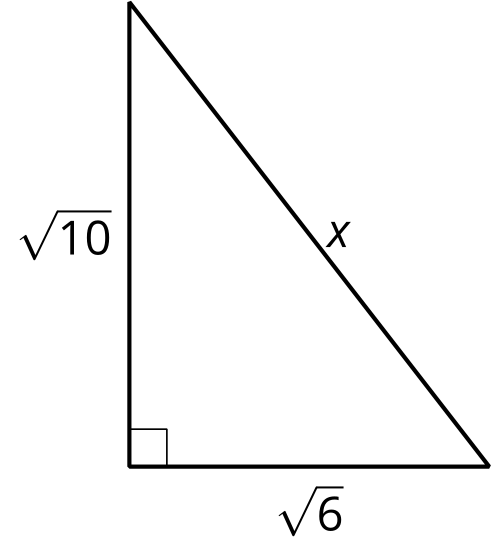
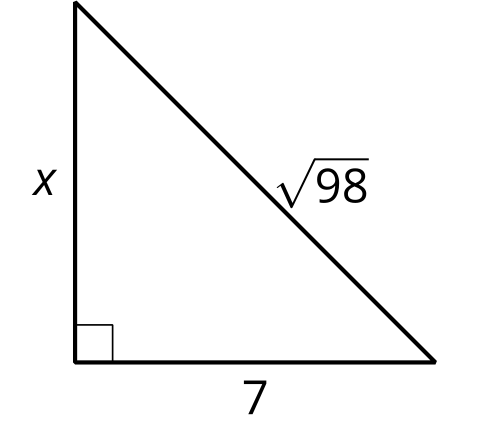






#### Student Task Statement

For each triangle, use the Pythagorean Theorem to find the length of the missing side.

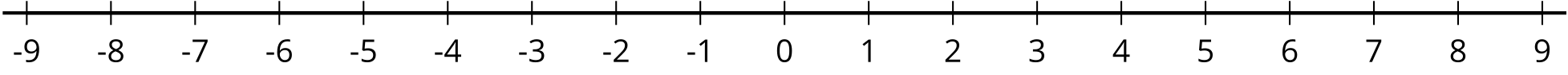
1. 
2. 
3. 
4. 
5. 

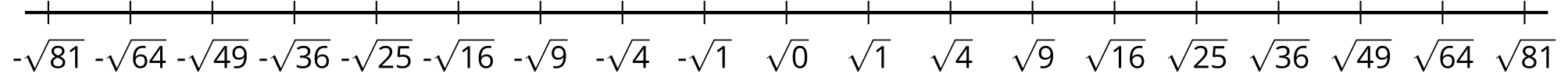
### 3 Solving with Square Roots

#### Student Task Statement

Solve each of these equations. Represent the solutions exactly. If the solution is not a whole number, what 2 whole numbers does each solution lie between? Be prepared to explain your reasoning.

#### Activity Synthesis







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