

Applying Pythagorean Theorem Recording Sheet

Procedure:

1. Flip a coin. If it lands on heads, you will solve for a missing leg. If it lands on tails, you will solve for the hypotenuse.
2. Roll 2 dice and find the sum. This is one side length. Roll the dice again and find the sum for your second side length.
3. Optional: Flip a coin again. If it lands on heads, change one of your side lengths to be a square root. If it lands on tails, leave your side lengths as whole numbers.
4. Sketch your triangle and label the side lengths and indicate the right angle. If it is not possible to create a right triangle with the conditions you created, explain why and start back at Step 1.
5. Find the value of the missing side length of your right triangle.

Solving for	Record side lengths		Sketch and label triangle	Find value of missing side (or explain why triangle is not possible)
leg / hypotenuse				

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