



# Proficiency Scale

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**GRADE LEVEL: 8      COURSE NAME: ACCELERATED MATH**  
**MEASUREMENT TOPIC: APPLY PYTHAGOREAN THEOREM TO REAL WORLD PROBLEMS**

**4**

In addition to Score 3, the student makes in-depth inferences and applications.

**3**

- **Apply the Pythagorean Theorem in order to solve real world problems.**
- Use the Pythagorean Theorem to determine unknown side lengths of right triangles.
- Use the Pythagorean Theorem to find the distance between two points in a coordinate plane.

**2**

- Use the Pythagorean Theorem to determine if a triangle is a right triangle.

**1**

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

**Key Vocabulary:**