Pythagorean Theorem Proofs

Today's Standard

8.G.B6 - Explain a proof of the Pythagorean Theorem and its converse.

Real-World Applications for this Standard

Designing right-angled triangles in architecture; Determining distances in navigation and mapping; Calculating screen sizes in technology; Engineering and construction of ramps; Sports strategies involving right-angled triangles

Today I Learned

Today, we learned about the Pythagorean Theorem. It helps us understand the relationship between the sides of a right-angled triangle.

Common Stumbling Blocks

Some kids think this theorem only works with certain triangles or all triangles. But it only works with right-angled triangles.

Quiz Me

- What is a right-angled triangle?

- What does the Pythagorean Theorem help us find?

- Can we use the theorem for any triangle?

- What happens if the square of one side equals the sum of the squares of the other two sides?

- Why is the theorem important?

Help Me

The Pythagorean Theorem helps us solve problems in real life. For example, it can help us find the right size TV for a room or the shortest path to walk in a park.