

Name _____

The Mathematician's Pi Puzzle Palace

Short Answer Key

1. Professor Ethan unlocked the final room by accurately reciting the first 100 digits of Pi.
2. The first room's purpose was to calculate the radii of circles. Professor Ethan solved its challenge by calculating the radii based on the given circumferences.
3. In the second room, Professor Ethan had to determine the value of Pi by measuring the lengths and circumferences of spirals. It was related to Pi because Pi is often used in calculating the properties of circles and spirals.
4. In the fourth room, Professor Ethan faced a challenge involving calculating the areas of geometric shapes, such as circles, rectangles, and triangles, using Pi as the constant. He overcame it by applying the relevant formulas.
5. The recitation of the first 100 digits of Pi in the final room symbolized a test of precision and mathematical knowledge. Professor Ethan's accuracy and depth of understanding demonstrated his mastery of Pi-related challenges.

