

# Problem-Solving Strategy: Use Logical Reasoning

**Problem** Jeremy, Erin, Mel, and Paco competed in the long jump. Their jump lengths were 9 feet, 10 feet, 11 feet, and 12 feet. Paco jumped the farthest. Erin jumped an even number of feet. Mel jumped farther than Jeremy. How far did they each jump?



1. What were the four jump lengths?

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2. How can you use a table and logical reasoning to organize the facts?

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3. How far did they each jump?

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4. Do your answers match all of the facts given in the problem? Explain.

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