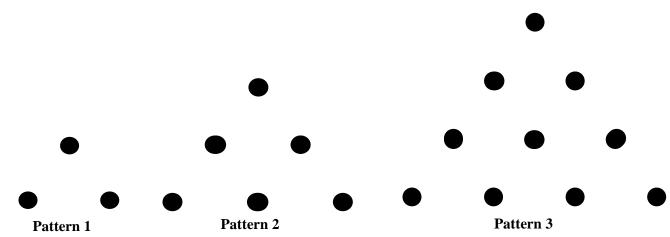
inside + x = ÷ mathematics

Inside Problem Solving

Tri-Triangles

Level D

Jo constructs triangular patterns using dots.



The pattern continues in the same geometric design.

How many dots are needed to make Pattern 5?

How many dots are needed for the **n**th pattern? Explain your rule.

Jo was born in 1953, and she was wondering if she could make a triangular pattern out of exactly 1,953 dots. If she could, what would the pattern number be? Explain your reasoning.

- Inside Problem Solving: Tri-Triangles -

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