

Sidewalk Stones	Rubric	
	Points	Section points
<p>Gives correct answers and shows correct calculations such as:</p> <p>Number of gray Stones $4n^2 + (2n + 1)^2 = 8n^2 + 4n + 1$</p> <p>Number of white stones $4n(2n + 1) = 8n^2 + 4n$</p> <p>Calculates pattern number for 841 gray stones $4n^2 + (2n + 1)^2 = 841$ $2n^2 + n - 210 = 0$ $(2n + 21)(n - 10) = 0$ n = 10</p> <p>Provides clear explanations <i>Partial credit</i> Provides some explanation</p> <p>Finds the number of white stones $4 \times 10 \times 21 = 840$</p>	<p>3</p> <p>2</p> <p>2</p> <p>2</p> <p>(1)</p> <p>1</p>	<p>10</p>
Total Points		10

