Area and Perimeter: The Mysterious Connection
Student Worksheet

In these problems you will be working on understanding the relationship between area and perimeter. Pay special attention to any patterns that arise in your exploration.

Part 1

The question we are trying to answer in this lesson is what connection if any exists between area and perimeter?

I. Figure A and figure B below have different areas. Determine if the perimeters are the same or different.

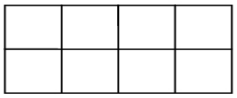

Figure A

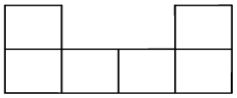

Figure B

Area of Figure A _____square units Area of Figure B _____ square units

Perimeter of Figure A _____ units Perimeter of Figure B _____ units

Explain how you arrived at your conclusion. What was the process that you used to find the perimeters? Show an example of your process with labels included.