Area and Perimeter

Direction: You must earn at least 40 points. Choose any tasks.

|  |  |  |  |
| --- | --- | --- | --- |
| 30 Points | Figure area of a 10” x 20” wall. How much paint do you need to cover the wall. One can of paint covers 150 square feet. | A figure has a perimeter of 20 feet. What is the largest area it could be? What is the smallest area? | As your perimeter gets larger, does your area always get larger? Prove it. |
| 20 Points | Draw a polygon with a perimeter of 16”. | Take masking tape and create a shape on the floor. Walk around it and estimate its perimeter. Then measure to see how close you were.  | Your bunny needs a cage. He is 10” long. Build a cage for him so he is comfortable. What is its area and perimeter? |
| 10 Points | Grab pattern blocks. Make a shape and find its perimeter.  | What is the perimeter of your desk? | Use your Wikki Stix to make three polygons. Compare their perimeters. |