I will design a parking lot using my knowledge of perimeter and area.

The mayor is asking students to help design a parking lot at one of the rail stations. The lot will have 2 sections. One section will be for cars and the other section for bicycles/mopeds.

He has a space of 20 yards wide and he needs an area of 900 square yards for the cars. How long would the lot have to be?

There are 50 yards of fencing available for the bicycle/moped lot. Using all the available fencing, what are the dimensions of two possible rectangles for the lot?

Draw your idea for the parking lot. Make sure you have the dimensions for both the car lot and the 2 possible bicycle/moped lots.

Car Lot Drawing

Dimensions:

Bicycle/Moped Lot Possibility #1 Drawing

Dimensions:

Bicycle/Moped Lot Possibility #2 Drawing

Dimensions:

Which bicycle/moped lot would you choose? How would it fit in relationship to the car lot? Use the back of this paper to draw what you think the parking lot should look like.

Review the Evaluation Rubric to make sure you have completed the product.