

Name: _____

Date: _____

The mayor of Grand Haven has recruited our class to design a new garden to be placed in Central Park. He is very interested in seeing all of your ideas & sketch designs. Below are the requirements that must be included in the garden. You may rearrange them however you would like on a separate piece of grid paper, just be sure you show all of your work (use the back if you need!) & label your answers with the appropriate units.

Requirement #1: The garden must be 25 sq ft by 30 sq ft.

What is the perimeter of the garden? _____

What is the area of the garden? _____

How many feet of fencing will you need to purchase to have a fence go around the garden?

Requirement #2: The garden must have a rectangular path that crosses the garden.

What is the perimeter of this path? _____

What is the area of this path? _____

Gravel costs \$1.25 for each square foot. How much will it cost to buy gravel for the path?

Requirement #3: The garden must have a flower bed and a vegetable bed, each large enough to fit at least three different types of flowers and vegetables within them.

What is the perimeter of the flower bed? _____

What is the area of the flower bed? _____

What is the perimeter of the vegetable bed? _____

What is the area of the vegetable bed? _____

Requirement #4: The rest of the garden must be covered in grass. Calculate the area that you will need to cover with grass seed. The area of grass is _____ .

If grass seed costs \$.80 for each square foot, how much will it cost to buy grass seed?

Once your garden and worksheet are completed, you may color your garden. Make sure you include your name!