Problem: A farmer has 100 meters of fencing that she wants to use to enclose part of a field. The enclosure needs to be in the shape of a rectangle and she wants to enclose the largest possible area. What should be the dimensions of the enclosure that will maximize the area?
HW Problem: Please do and bring to class on Wed.
Find two numbers whose sum is 23 and whose product is a maximum.

Hint: Start by making a table with some numbers that satisfy the conditions of the question and see what their product is.