Apple Orchard Design

Name_____   Date _____

It is time to design our apple orchard. In a few weeks, we will be planting apple trees. Apple Orchard Designs are out for bidding. Your job is to design an apple orchard that fits our needs. We can plant between 10-20 trees. The most valuable design will be chosen.

Specification	Included
Consider our land layout	
Choose between dwarf and semi-dwarf apple tree	
Semi-dwarf requires 15' spacing each	
Dwarf tree requires 10' spacing each	
Specify number of trees planted	
Plant in rows: N-S	
Use graph paper for the blueprint	
Use graph paper for calculations	
State the scale: example – each square on the paper represents 1 square foot	
Show clear area calculations of the orchard	
Show clear perimeter calculations of the orchard	
Design the fence around the orchard. Calculate	
Neat and professional	
A. Presentation of the project	

B. Final Report
    1. Summarize your work
    2. Total area of the orchard
    3. Total perimeter of the orchard
    4. Total fence measurements	

C. Reflection
    1. How does this project relates to the real life?
    2. What type of mathematical strategies did you use during this project?
    3. How accurate your results are? Why?
    4. Do your results make sense in real life?	