



Wild Goose Airlines operates charter flights between New York and London. They charge the group that charters the plane \$300 per round trip ticket if every seat in the plane is sold. The price per ticket increases by \$5 for each seat that is not sold. If the plane holds 150 passengers, how many tickets should be sold to produce the maximum revenue for the airlines?

Solve the problem by trial and error, and by writing a quadratic equation and solving it. Now find a similar situation at your school that could be solved in this way.

Write a report including the different methods of solution and your evaluation of each. Make your solution to the school situation problem available to the appropriate people.