Strategy for Solving Max-Min Problems

STEP 1
Read the problem carefully and identify the information you need to solve the problem

STEP 2
Develop a model. Draw a picture, introduce variables, and/or write a function.

STEP 3
Graph the function. Find the domain and determine what values make sense for the problem.

STEP 4
Identify the critical points and endpoints.

STEP 5
Solve the mathematical model.

STEP 6
Interpret the solution. Translate your solution in context with the problem.