Problem-Solving Strategy: Solve a Simpler Problem

1. There are 32 schools that participated in a statewide trivia tournament. In each round, one school played one match against another school and the winner continued on until 1 school remained. How many total matches were played?

   What is the question?
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   What information do you know?
   ____________________________________________

   Could solving a simpler problem help you to solve the original problem?
   ____________________________________________

   How many matches are there in the first round?
   How many schools are left for the second round?
   ____________________________________________

   Solve the problem.
   ____________________________________________

   Is your answer reasonable?
   ____________________________________________

Solve.

2. A restaurant has 24 tables that each can sit 2 people per side. If the tables are pushed together for a banquet, how many people can sit at the table?
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