



Solve a Simpler Problem

TAKS Objective 6
TEKS 5.14A, 5.14C

Solve.

1. Suppose each of the 9 players on a baseball team gives every other player a “high-five” after a big win. How many “high-fives” will there be?

3. Wesley has 6 books that he wants to put on a shelf. In how many different orders can he place the books?

5. An office building has 6 offices. Each office contains 2 computers. If each computer has a direct connection to all of the computers in the other offices, how many connections are there?

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

4. 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?

6. Remy makes a solid figure that is 8 cubes long, 8 cubes high, and 8 cubes wide. She paints the outside of the figure green. How many cubes will have no green paint on them?
