***Trapezoid Table Problem***

Suppose you could seat 5 people at a table shaped like a trapezoid.

If you joined two trapezoid tables end to end (see below) how many people could you seat at the new table? What if you joined 3 trapezoidal tables? Four tables?

Organize your data in a table. Can you find a relationship between the number of tables and the number of people seated? Use this relationship to predict the number of people that could be seated at 20 tables and 100 tables. Describe the number of people that could be seated at *n* tables. How do you know your relationship works?