

Name: _____

Date: _____

Picnic Table Spacing

You want to make a square picnic table that is $4\frac{1}{2}$ feet wide, and you want to use 2x8 boards to make the table top. You know that 2x8 boards are actually $1\frac{1}{2}$ by $7\frac{1}{4}$ inches after they've been dried.

How many boards do you need to make the table top? What spacing will you have between the boards?

Optional: You may include a $\frac{1}{2}$ -inch border along the edges of the table. You may also decide that your table will be slightly over or under $4\frac{1}{2}$ feet wide, if you can provide an appropriate justification.

Show your work, and write your answer in a complete sentence.