Name: $\qquad$
Date: $\qquad$

## Picnic Table Spacing

You want to make a square picnic table that is $41 / 2$ feet wide, and you want to use $2 \times 8$ boards to make the table top. You know that $2 \times 8$ boards are actually 1 $1 / 2$ by $71 / 4$ 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 $1 / 2$-inch border along the edges of the table. You may also decide that your table will be slightly over or under $41 / 2$ feet wide, if you can provide an appropriate justification.

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

