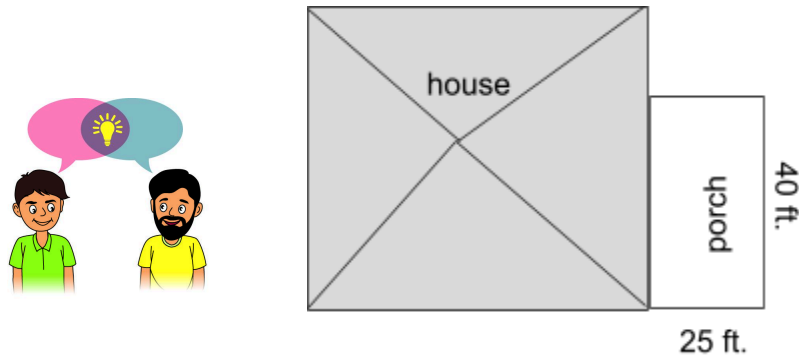


Name \_\_\_\_\_ Date \_\_\_\_\_

### Comparing Porches

Brad and George have a huge rectangular porch on the front of their house with dimensions of 25 ft. and 40 ft. It looks like this:



Their friends Gwen and Lisa have a similar porch, but its dimensions are 20 ft. by 45 ft.

**Draw a diagram of what Gwen's porch might look like.**

**Label the dimensions of the porch you drew.**

**Who has more porch area: Brad and George or Gwen and Lisa? Show how you found the answer to this question.**

Brad and George decide they need to replace the entire railing around their porch because it was broken. **How much railing (in feet) will they have to buy to enclose the whole porch?** Show how you found the answer.

**How much would Gwen and Lisa have to buy if they also had to replace the railing on their porch?** Show how you found the answer.

If the railing for the porch costs \$15 per yard at the lumber store, **who will spend more on replacing their porch railing, Brad and George or Gwen? How much more?** Show how you found the answer.