Name:_____   Date:_____

Multiplicative Area

Solve each problem using a visual model. Use your knowledge of factors, multiples, and multiplicative comparisons to find the area and/or perimeter in each situation.

1. A rectangular porch is 4 feet wide. It is 3 times as long as it is wide. Draw a visual model below to represent the porch. Determine the area and perimeter of the porch.

2. A narrow rectangular banner is 5 inches wide. Its length is 4 times its width. Draw a visual model of the banner and determine the area and perimeter of the banner.

3. A rectangle has an area of 24 square units. It width is 6 times its length. What are the dimensions of the rectangle?