Scale Drawings

1. Use your math text book and class resources or go to the following website:
   http://www.harcourtschool.com/glossary/math_advantage/glossary6.html

2. Find the definitions of the following words and write down an example of each

   Ratio
   _____
   _____

   Proportion
   _____
   _____

   Scale
   _____
   _____

   Scale Drawing
   _____
   _____

3. Using the definition of ratio that you found on the website and the picture below, write the following ratios. Be sure to express your answer as X:X.

   ■ ■ ■ ■ ☐ ☐

   a. Ratio of black squares to the total number of squares: _____

   b. Ratio of black squares to white squares: _____

4. Using the definition of proportion, answer the following questions based upon your ratios from question 3. (hint: Keep in mind that the number of squares will increase or decrease proportionally.)

   A. If there were 8 black squares, how many total squares would there be? _____

   B. If there were 2 black squares, how many white squares would there be? _____