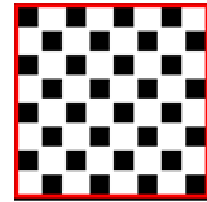


## ***Advance Organizer***

**Objectives:** Build the ability to work with algebraic and geometric concepts and apply them to a real-world situation. Students will work alone and in groups to formulate problem solutions and present creative results.

**Do Now:** Challenge problem: If you were to construct an 8 x 8 checkered square (i.e., an 8 x 8 chess board), how many squares would there be in total?



### **Scenario**

You are designing a small (16 foot square) cottage that will be constructed on a plot of land that you own. There are many options available to you during the construction process. It is up to you to complete the cottage while staying within your specified budget.

*Complete the pre-reading perspective questionnaire on the following page prior to proceeding.*

### **Vocabulary review (I have, who has?).**

 **In groups of two, read and complete the attached Budgeting Exercise.**

 **Homework assignment review**