

## **APPROXIMATING THE AREA OF AN IRREGULAR SHAPE**

### **7th Grade Mathematics Class**

1. Cut a piece of cardboard that has an irregular shape.
2. Try to find out what kind of geometric shapes will you use to find the approximate area of this irregular shape.
3. Cut the geometric shapes and stick them on the irregular shape.
4. Try to use fewest geometric shapes that fill the irregular shape.
5. Try to remain least space after placing all of your geometric shapes on the irregular figure.
6. Calculate the areas of your geometric shapes and label them with a number.
7. Calculate the total area by adding the areas of your geometric shapes.
8. Write a reflection about the process of doing this project. State what you have learned from this project. Discuss to what extend your findings are accurate.

### **Your project poster should include:**

- The irregular figure filled by the geometric shapes
- The names of geometric shapes you had used
- Your calculations corresponding with the labels of the geometric shapes
- Results
- Reflection