

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

## **Interactive Activity: Gulliver's Travels by Jonathan Swift {Activity #1}**

Gulliver visited some very strange places, like Lilliput where everything was very small and Brobdingnag where everything was quite large. In this project you will construct models of at least one object from Lilliput and one object from Brobdingnag. Here is some information that will help you with the task.

A quote from Gulliver said about Lilliput: "In a short time I felt some live thing move on my left leg. It came up on my breast near my chin; I saw it had the form of a man, but was not more than half a foot high..."

A quote from Gulliver about Brobdingnag: "I took the length of the rat's tail, and found it to be two yards long."

### **TASK:**

Choose an everyday object to create a Lilliput model. Choose a different object to make a Brobdingnag model. With each object file a report:

1. Give the weight, volume, surface area and any other appropriate measurements of the actual object and the Lilliput or Brobdingnag version of the object. Determine the scale factor (constructed : actual) for each measurement.
2. Describe your plan and how you constructed each object.
3. Suppose you take the Lilliputian object and scale it for Brobdingnag. What would be the scale factor for each measurement you determined in problem 1?