

Name _____ Date _____

Description of Investigation and Student Report
Be an Investigator

Imagine you work for a shipping company. Your job is to figure out how to pack large shipping containers.

Think of an item that comes from overseas. Design a box or crate for that item in the shape of a rectangular prism. Be sure to allow room for packing material to protect the item. Give the dimensions of the box or crate that will hold the item.

Now calculate how many of the boxes or crates that you designed can fit into a shipping container that is 20 feet long, 8 feet wide, and $8\frac{1}{2}$ feet tall?

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Student Report

My item to be shipped is _____.

This is the design of the crate or box to hold it.

I have calculated that _____ of the crates or boxes can fit into the large shipping container.

This is how I figured it out.