

Name _____ Date _____

Designing a Shipping Box Filled with Candy

A candy company wants you to design a shipping box that will contain 16 candy containers.

Your design must consider the following:

- The candy container is a cylinder that is 8 inches tall and 3 inches in diameter.
- The needed shipping box must be made in the form of a rectangular prism.



- A. Draw a picture of your shipping box with its labeled dimensions. Explain how you determined your dimensions.
- B. Determine the amount of cardboard needed to make your shipping box. Explain how you determined your answer.
- C. Compare your shipping box with a classmate's shipping box that is different. Decide which shipping container is the most efficient in terms of the amount of cardboard needed?