

21

A box of chocolate chip cookies is in the shape of a rectangular prism. The rectangular bottom of the box is 10 inches long and 3 inches wide.

- a. What is the area, in square inches, of the bottom of the cookie box? Show or explain how you got your answer.
- b. The height of the cookie box is 8 inches. What is the volume, in cubic inches, of the box? Show or explain how you got your answer.
- c. A box of oatmeal cookies is also in the shape of a rectangular prism. It has the same length and width as the box of chocolate chip cookies, but it has a volume of 210 cubic inches. What is the height of the box of oatmeal cookies? Show or explain how you got your answer.