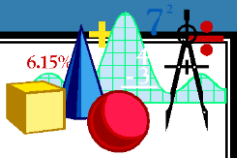
Mathematics, Grade 5
Unit VI: Lesson B3

Model / Display: **Prisms**



Review the process of finding the area of a rectangle, as well as the meanings of the terms "rectangular prism," and "surface area." Make a three-dimensional model of a rectangular prism, marking all sides of it with squares of either metric or US customary units.

Calculate the total surface area of the box. Analyze the model, and then write a formula for determining the surface area of any rectangular prism.

List at least five different ways in which people might be able to use this formula, and write a story problem that applies to each way. Include the answers.

Finally, present the information to the class by preparing an easy to understand display that illustrates the formula for determining the surface area of a rectangular prism, and notes the varied uses for that formula.