



A pine tree is a three-dimensional form. Review geometric shapes, finding the height of an object using ratios and formulas for finding volume. Find what “board feet” is and how to calculate it. Consult with a lumber retailer about current prices. Find out the volume of a cord of wood. Look up the current prices of firewood.

Select an evergreen tree. Calculate the volume of the trunk of the tree. Transform the volume into board feet. Calculate what this tree would be worth as lumber at today’s market prices. Analyze if this tree would be more valuable if sold as firewood. Design a poster, a three-dimensional model or a combination of both, demonstrating the steps you used in determining the tree’s retail value.

Display your project in the classroom. Present your conclusions to the class as to the value of the tree in different uses.

Extension: *Research the value of trees to the earth. Write a paper defending the value of letting the tree live. Read your paper to the class.*