## Grade 6 6(4)(B) apply qualitative and quantitative reasoning to solve prediction and comparison of real-world problems involving ratios and rates. A gas-powered lawn mower can run for 10 hours on 3 gallons of gasoline. If the gasoline costs \$3 per gallon, what is the cost per hour to run the lawn mower? Grade 7 7(9)(B) determine the circumference and area of circles. The circumference of a circular garden is 32 feet. What is the radius of the circular garden? Grade 8 8(7)(B) use previous knowledge of surface area to make connections to the formulas for lateral and total surface area and determine solutions for problems involving rectangular prisms, triangular prisms, and cylinders. A candy box is in the shape of a rectangular prism. It has a length of 17 inches, a width of 10.4 inches, and a height of 2.5 inches. What is the surface area of the candy box?