Math Word Problems for the Wise

1. Now that Hazel is running the cafeteria, the food is really different. She serves corndogs in a little boxes that are 5 cm wide, 5 cm tall and 20 cm long. What is the volume of one of these boxes?

Hazel has breathed new life into the Mary Munford Cafeteria.

2. Jackson has been hired to improve the dessert selections. His first order of business is to perfect a slice of chocolate cake. Each slice is a triangular prism. The height of the triangle is 14 cm and the base is 8 cm. The slice of cake is 20 cm thick! What is the volume of one slice?

3. Loree, the sandwich girl, insists that all sandwiches be trimmed to a perfect square prism, 4 inches wide at the base and .5 inches tall. Every Tuesday, Shunta orders two sandwiches and stacks them, one on top of the other. What is the volume of Shunta's double-decker sandwich?

4. The green beans for Hazel's famous green bean tacos come in boxes that are 16 inches long, 14 inches wide and 10 inches tall. (Rectangular prisms of course...) What is the capacity of one of these boxes?

5. Last Tuesday, Caleb got loose in the storeroom after hours. When they discovered him in the morning, asleep in the flour bin, he had broken into and gobbled up 6 boxes of chocolate chips! Each box was a cube with a 7.5 cm base. What was the total volume of chocolate chips that Caleb ate?   (Caleb, how could you?!)