Lesson 16: Applying Volume and Surface Area

Cool Down: Preparing for the Play

Andre is preparing for the school play. He needs to paint a cardboard box to look like a dresser. The box is a rectangular prism that measures 5 feet tall, 4 feet long, and $2\frac{1}{2}$ feet wide. Andre does not need to paint the bottom of the box.

1. How much cardboard does Andre need to paint?

2. If one bottle of paint covers an area of 40 square feet, how many bottles of paint does Andre need to buy for this project?

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