**Activity: Decide Where to Round**

1. Elan has $13 that he wants to divide among his 6 nephews. When he types into his calculator, the number that appears is 2.166666667. Where should Elan round?
2. Dante’s mother brings him a dozen cookies, but before she leaves she eats one and tells Dante he has to share with his two sisters. Dante types into his calculator and gets 3.6666666667. Where should Dante round?
3. Eva measures the dimensions of a box as 8.7, 9.52, and 3.16 inches. She multiplies these three numbers to find the measure of the volume. The result shown on her calculator is 261.72384. Where should Eva round?

**Activity: Find an Appropriate Level of Accuracy**

27.5 in.

1. Jon needs to buy a shade for the window opening shown, but the shades are only available in whole inch increments. What size shade should he buy?
2. Tom is buying flea medicine for his dog. The amount of medicine depends on the dog’s weight. The medicine is available in packages that vary every 10 dog pounds. How accurate does Tom need to be to buy the correct medicine?
3. Tyrone is building a jet engine. How accurate do you think he needs to be with his measurements?