Assignment

LESSON 2: Which Warehouse?

Write

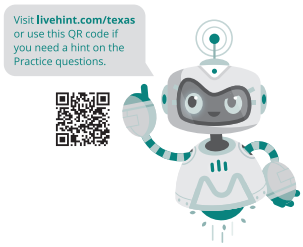
Explain how you can estimate the sum or difference of two or more decimals.

Remember

You can add and subtract decimals the same way you add and subtract whole numbers. Line up the decimal points and then add or subtract.

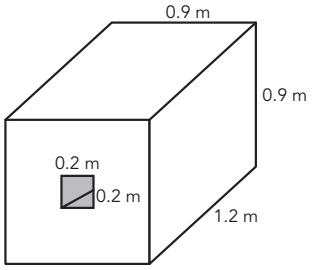
$$\begin{array}{r} 3.421 \\ 9.5 \\ +12.85 \\ \hline 25.771 \end{array}$$

Practice

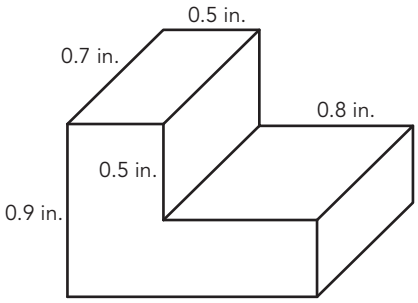


1. Estimate each sum or difference to the nearest whole number. Then, calculate the exact sum or difference.
   a. 4.78 + 67.13 + 3.83
   b. 5.8 + 7.009 + 45.2
   c. 56.02 − 3.76 − 15.27
   d. 25.91 − 12.72 − 0.97

2. Subtract to determine the volume of the figure.

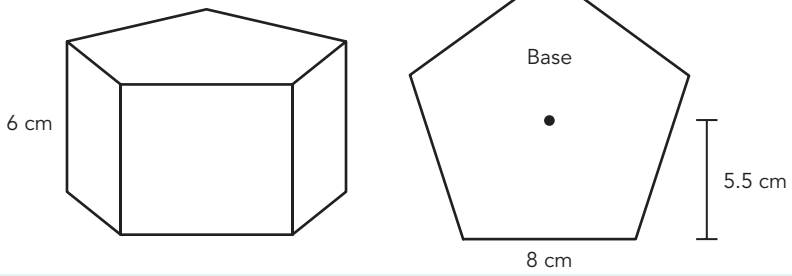


3. Add to determine the volume of the figure.



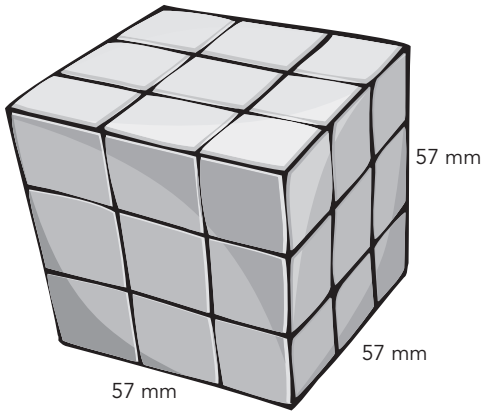
Stretch

Calculate the volume of the right prism with the given base.



Review

1. Consider the Rubik's Cube.
   a. Calculate the volume of one of the tiny cubes making up the Rubik's Cube. Show your work.
   b. Calculate the volume of the Rubik's Cube using your answer to Question 1. Then calculate the volume using the volume formula. Show your work.



2. Ms. Hendrix said that when she was a girl she used to make mixed cassette tapes with her favorite songs. One side of Ms. Hendrix's cassette tapes had $22\frac{1}{2}$ minutes of available space.
   a. How many $4\frac{2}{5}$-minute songs could Ms. Hendrix record on one side of a cassette tape? Show your work.
   b. Use estimation to help explain how you know your answer to Question 2a is reasonable.

3. Calculate each product.
   a. $\frac{2}{3} \times \frac{4}{9}$
   b. $\frac{1}{6} \times \frac{12}{13}$