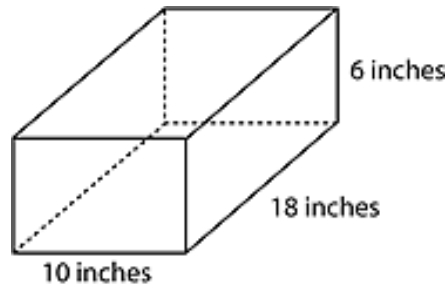


Possible Solutions

Johnny needs to determine the volume of the new fish tank his family bought for their house. The tank and measurements are shown below.



What is an equation that Johnny could use to determine the volume of his fish tank? Justify your thinking.

To solve, students will need to remember the formula for volume of a rectangular prism- $V = lwh$.

For this problem and standard, students must supply the equation that would be used, not just the actual units. They would simply take the formula and plug in the measurements, then include the solution. The steps are shown below.

1. Determine the measurements by looking at the model provided.
2. Replace the l , w , and h in the formula with the corresponding measurement.
 - a. $l = 18$ inches
 - b. $w = 10$ inches
 - c. $h = 6$ inches
3. Rewrite the formula as the equation with measurements.

$$V = 18 \bullet 10 \bullet 6$$