

## Self-Assessment for Problem Solving

Solve each exercise. Then rate your understanding of the success criteria in your journal.

9. **DIG DEEPER!** The shark cage is in the shape of a rectangular prism and has a volume of 315 cubic feet. Find a set of reasonable dimensions for the base of the cage. Justify your answer.



10. The hot tub is in the shape of a rectangular

Notice/Wonder Question with edited graphic from above:



This shark cage is in the shape of a rectangular prism.

2.) Estimate the volume of the prism so the shark would swim in it,

3.) Give one of the dimensions of the tank. Have students adjust their estimates.



8  
ft

4.) Reveal the volume and have them find the other 2 dimensions



8  
ft

315 cu  
feet