Sixth Grade – Math
Activity: Finding the Volume and Surface of a Rectangular Prism

1. Find the volume of the Miami Marlins dugout using the formula $V = l \times w \times h$.

2. The Miami Marlins are thinking about conditioning their dugout. The air conditioner they want to use can cool up to 60 cubic feet. Should they invest in the air conditioner? Why or why not?
3. Find the surface area of the Miami Marlins dugout.

4. The Miami Marlins are thinking of repainting their dugout. They want to paint the four walls, ceiling, and floor. They have 10 gallons of paint. Each gallon can cover up to 20 sq. ft. Do they have enough paint to cover the surface area of the dugout?
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