We’re Talkin’ Baseball!

Explore: Collect the following information for Fenway Park and another stadium of your choice.

1. Fenway Park

Distance between the bases (home to first, first to second, etc.)	
Distance from home plate to outfield wall (left, center, right)	
Outfield Wall height (left, center, right)	

2. Stadium Name _____

Distance between the bases (home to first, first to second, etc.)	
Distance from home plate to outfield wall (left, center, right)	
Outfield Wall height (left, center, right)	

Which stadium likely gets more home runs? Why?

Explain: How can we use stadium dimensions to calculate the minimum distance needed to hit a home run?

What is the minimum **distance** needed to hit a home run at Fenway Park?

	Left Field	Center Field	Right Field
Distance from Home Plate			
Fence Height			
Model the Problem			
Solve the Problem			

Select another stadium.

What is the minimum **distance** needed to hit a home run at (Stadium Name)?

	Left Field	Center Field	Right Field
Distance from Home Plate			
Fence Height			
Model the Problem			
Solve the Problem			

Apply: Use data collected showing minimum distance needed to hit a home run at various baseball stadiums to make a prediction about which baseball stadium will have the highest number of home run hits next season. Use specific evidence to support your answer.

Extension: What other factors may affect a players chances of hitting a home run?