
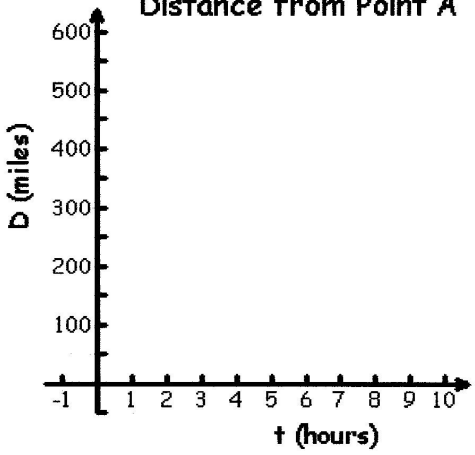


Communicating and Connecting What We Know About Accumulating Distance When Speed is Constant

Verbal			Graph	
<p>Lightning McQueen travels away from point A at a constant speed of 30 miles per hour.</p> <div style="text-align: center; margin-top: 20px;">  </div>			<div style="text-align: center;"> <p>Distance from Point A</p>  </div>	
Table			Analysis	
time (hours)	Distance from point A (miles)	Total Distance Traveled (miles)	<ol style="list-style-type: none"> 1. Write a rule for the distance, D, from the point A with t denoting the time in hours. $D =$ 2. How far from point A is the car after 3 hours? 16 hours? 2.5 hours? 3. How long will it take the car to be 150 miles from point A? 4. How is the speed of the car represented on the graph? table? symbolic rule? 5. Write a rule for the total distance, TD, traveled by the car with t denoting the time in hours. $TD =$ 	
t	D	TD		
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				