

**TASK SHEET 6: HOW MANY STEPS TO HIKE THE MOUNTAINS?**

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Description:** The mountains surrounding Los Angeles extend approximately 30 miles. One of the largest peaks is Mount Wilson. Your task is to find out how many steps it takes to reach Mount Wilson.

1. How many steps will it take?  
Walk one lap around a  $\frac{1}{4}$  mile track. Count every right footstep and keep track of the amount of time it takes to complete the lap. Record your results. Repeat three times. Calculate the average.  
 $\frac{1}{2}$  steps: \_\_\_\_\_ Time: \_\_\_\_\_  
 $\frac{1}{2}$  steps: \_\_\_\_\_ Time: \_\_\_\_\_  
 $\frac{1}{2}$  steps: \_\_\_\_\_ Time: \_\_\_\_\_  
Average: \_\_\_\_\_ Average: \_\_\_\_\_
2. How many half steps per  $\frac{1}{4}$  mile? \_\_\_\_\_
3. How many half steps per mile? \_\_\_\_\_
4. How many full steps per mile? \_\_\_\_\_
5. How many steps for the entire mountain range? \_\_\_\_\_
6. It would take me \_\_\_\_\_ steps to hike the mountains around Los Angeles.