

Name _____

A group of students in a health class track their daily steps to find out how far they walk. The students use different smartphone apps to track their distances. Some apps display distances using decimals, while others use fractions. The table shows the total distances walked by the group of students so far. The battery of Shauna's phone ran out of power before her distance could be recorded.

Distance Walked (miles)				
Jin	Mariko	Clyde	Shauna	Todd
$12\frac{7}{8}$	12.6	$12\frac{5}{6}$		12.8

1. Shauna knows that she walked farther than Todd, but not as far as Jin. Use this information to estimate Shauna's distance. Explain your reasoning.
2. The students want to add their individual distances to find the total distance the group walked. Jin suggests writing each distance as a fraction. Why might Jin's suggestion be helpful? Explain.
3. Mariko predicts that the total is between 60 and 65 miles. How might Mariko have determined this?
4. Suppose Shauna walked the same distance as Clyde. What is the total distance the group of students walked, rounded to the nearest tenth?