Name: _____ Date: _____

Map *Measures*

In school you studied how decimals and proportions can help you understand scale on a map. Use your math skills to help solve the map questions below.

1. Imagine a family has planned a trip from New York City to Walt Disney World in Orlando, Florida. A map has a scale where 1 inch = 200 miles. The distance from New York City to Orlando on the map measures 4.6 inches. About how many miles away is Disney World?

_____

2. Imagine you and your friends decide to make a map of your neighborhood. Using the formula that 2,000 steps = 1 mile, you measure distances from your school to your favorite locations. You write down the distances and then decide to draw a map where the scale is 0.5 inches = 1 mile. Using decimal measurements, fill in about how many inches should be between each location, and write down how many steps that should be.

School to library is 0.5 miles _____

School to post office is 0.7 miles _____

School to ice-cream shop is 1.3 miles _____

3. Create a map of your home using a scale where 10 steps = 0.5 inches. Figure out, in inches, distances from your bedroom to the kitchen, bedroom to the TV, and bedroom to the front door.

For practice, show in inches the following:

18 steps from your bedroom to the TV = _____ inches

20 steps from your bedroom to the kitchen = _____ inches

25 steps from your bedroom to the front door = _____ inches

Answers:
1. If 1 inch/200 miles then 4.6 inches/*x* miles. *x* = 920. **2.** School to library = 0.5 miles, which is 0.25 inches or 1,000 steps. School to post office = 0.7 miles, which is 0.35 inches or 1,400 steps. School to ice-cream shop = 1.3 miles, which is 0.65 inches or 1,300 steps. **3.** 18 steps from your bedroom to the TV = 0.9 inches; 20 steps from your bedroom to kitchen = 1 inch; 25 steps from your bedroom to front door = 1.25 inches.