Dezzy, the decimal-loving drummer in The Conversions, navigates the band’s van from show to show as their manager, Ralph, drives. Using a map scale, he figures out distances the band will have to travel. Use the map scale below, as well as ratios and proportions, to help Dezzy calculate distances for the band’s next few shows.

### Driving with Decimals / Mapping with Proportions

1. The band travels from New York, NY, to Boston, MA. Dezzy looks at a map which shows the distance to be 2.1 inches. Following the scale above, how many miles is that?

2. The band then travels to Hartford, CT, which is 0.9 inches away on Dezzy’s map. Write down that distance in miles.

3. The band then travels to Philadelphia, PA, which is 1.8 inches away from Hartford. What is that distance in miles?

4. If the band drives 60 miles per hour, how long will it take to go from New York to Boston, Boston to Hartford, Hartford to Philadelphia?

### Extra Bonus:
The Conversions get to play with a band called The Positive Integers in Toronto, Ontario. They will be paid $800 in Canadian dollars (also called “loonies”). The exchange rate is $1 American dollar = $1.02 Canadian dollars. The band is a little less happy when they calculate how much they will earn in U.S. dollars. Show the amount to the closest dollar. Set up a proportion to show your answer.