Dimensional Analysis Steps

1. Identify starting and ending units.

2. Place the number that is given in the problem, along with units, in the upper left-hand corner of a conversion chart.

3. Choose a conversion factor that will get you to the next unit. Make sure the unit from the upper left appears also on the lower right.

4. Let the units guide the conversion by lining up the conversion factors so units cancel.

5. After canceling units, multiply all the numbers in the numerator together, as well as all the numbers in the denominator, and then divide the numerator by the denominator.

6. Check the units and your answer.