Name: _____ Date: _____ Period: _____

Conversions

_____is a useful way of completing conversion
problems.

This method of problem solving allows you to solve many problems by using the _____
of one unit to another. For example,

      1 day = _____

Since these two numbers represent the same value, the fractions

    _____   and   **_____**   equal _____

When you multiply a number by the number _____, you do not _____.

However, you may change its _____.

1) Convert 3 hours to days using dimensional analysis.

Rules for completing dimensional analysis problems:

1. Write the original value including the appropriate _____.

2. Treat the units as algebraic quantities that can be _____.

3. Turn the factor into a unit factor by having _____ quantities on the top and bottom
    of each factor.

4. Perform the indicated calculation to determine the value of the _____ with the
    new units.