

Previewing Dimensional Analysis

I. Write the correct abbreviation for each unit.

1. meter _____

2. millimeter _____

3. centimeter _____

4. kilometer _____

5. inch _____

6. mile _____

7. days _____

8. hour _____

9. seconds _____

II. Complete the conversion factors

Time:

1 day = _____ hours

1 hour = _____ minutes

1 minute = _____ seconds

English Distances:

1 mile = _____ feet

1 foot = _____ inches

Metric Distances:

1 meter = _____ centimeters

1 meter = _____ millimeters

1 kilometer = _____ meters

Metric to English

1 inch = _____ centimeters

1 mile = _____ kilometers

III. Try these conversions:

1. 200 inches = _____ feet

2. 2000 meters = _____ kilometers

3. 16 hours = _____ days

4. 104 feet = _____ miles

5. 198 days = _____ seconds

6. 160 inches = _____ miles