The U.S. Customary System of Measurement

The standard U.S. Customary System units of length are inch, foot, yard, and mile. The abbreviations for these units of length are in, ft, yd, and mi. Equivalences between units of length in the U.S. Customary System are:

\[
\begin{align*}
1 \text{ ft} &= 12 \text{ in.} \\
1 \text{ yd} &= 3 \text{ ft} \\
1 \text{ yd} &= 36 \text{ in.} \\
1 \text{ mi} &= 5,280 \text{ ft}
\end{align*}
\]

**Weight** is a measure of how strongly Earth is pulling on an object. The U.S. Customary System units of weight are ounce, pound, and ton. The abbreviation for ounces is oz, and the abbreviation for pounds is lb. Equivalences between units of weight in the U.S. Customary System are:

\[
\begin{align*}
1 \text{ lb} &= 16 \text{ oz} \\
1 \text{ ton} &= 2,000 \text{ lb}
\end{align*}
\]

Liquids are measured in units of capacity. The standard U.S. Customary System units of capacity (and their abbreviations) are the fluid ounce (fl oz), cup (c), pint (pt), quart (qt), and gallon (gal). Equivalences between units of capacity in the U.S. Customary System are:

\[
\begin{align*}
1 \text{ c} &= 8 \text{ fl oz} \\
1 \text{ pt} &= 2 \text{ c} \\
1 \text{ qt} &= 4 \text{ c} \\
1 \text{ gal} &= 4 \text{ qt}
\end{align*}
\]

**Area** is a measure of the amount of surface in a region. The standard U.S. Customary System units of area are square inch (in²), square foot (ft²), square yard (yd²), square mile (mi²), and acre. Equivalences between units of area in the U.S. Customary System are:

\[
\begin{align*}
1 \text{ ft}^2 &= 144 \text{ in}^2 \\
1 \text{ yd}^2 &= 9 \text{ ft}^2 \\
1 \text{ acre} &= 43,560 \text{ ft}^2 \\
1 \text{ mi}^2 &= 640 \text{ acres}
\end{align*}
\]

km hm dam m dm cm mm

<table>
<thead>
<tr>
<th>Units of Length</th>
<th>Units of Weight</th>
<th>Units of Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 in. = 2.54 cm</td>
<td>1 oz ≈ 28.35 g</td>
<td>1 L = 1.06 qt</td>
</tr>
<tr>
<td>1 m ≈ 3.28 ft</td>
<td>1 lb = 454 g</td>
<td>1 gal ≈ 3.79 L</td>
</tr>
<tr>
<td>1 m = 1.09 yd</td>
<td>1 kg ≈ 2.2 lb</td>
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<tr>
<td>1 mi = 1.61 km</td>
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