

Linear Units

The English System

$12 \text{ in} = 1 \text{ ft}$
$3 \text{ ft} = 1 \text{ yd}$
$36 \text{ in} = 1 \text{ yd}$
$5280 \text{ ft} = 1 \text{ mi}$

The Metric System

$1,000 \text{ m} = 1 \text{ km}$
$100 \text{ m} = 1 \text{ hm}$
$10 \text{ m} = 1 \text{ dam}$
$10 \text{ dm} = 1 \text{ m}$
$100 \text{ cm} = 1 \text{ m}$
$1,000 \text{ mm} = 1 \text{ m}$

English and Metric Equivalents

$1 \text{ in} = 2.54 \text{ cm}$
$1 \text{ ft} = 30.48 \text{ cm}$
$1 \text{ yd} \approx .9 \text{ m}$
$1 \text{ mi} \approx 1.6 \text{ km}$

English and Metric Equivalents for Area

$1 \text{ in}^2 \approx 6.5 \text{ cm}^2$
$1 \text{ ft}^2 \approx 0.09 \text{ m}^2$
$1 \text{ yd}^2 \approx .8 \text{ m}^2$
$1 \text{ mi}^2 \approx 2.6 \text{ km}^2$
$1 \text{ acre} \approx .4 \text{ ha}$

Units for Capacity

$2 \text{ pts} = 1 \text{ qt}$
$4 \text{ qts} = 1 \text{ gal}$
$1 \text{ gal} = 128 \text{ oz}$
$1 \text{ cup} = 8 \text{ oz}$

Units for Capacity

$1 \text{ yd}^3 \approx 200 \text{ gals}$
$1 \text{ ft}^3 \approx 7.48 \text{ gals}$
$231 \text{ in}^3 \approx 1 \text{ gal}$
$1 \text{ cm}^3 \approx 1 \text{ mL}$
$1,000 \text{ cm}^3 \approx 1 \text{ L}$
$1 \text{ m}^3 \approx 1 \text{ kL}$

Temperature Conversions

$C = \frac{5}{9}(F - 32)$
$F = \frac{9}{5}C + 32$
$K = C + 273.15$

Area and Volume

$1 \text{ ft}^2 = 144 \text{ in}^2$
$1 \text{ yd}^2 = 9 \text{ ft}^2$
$1 \text{ ft}^3 = 1728 \text{ in}^3$
$1 \text{ yd}^3 = 27 \text{ ft}^3$
$1 \text{ acre} = 43,560 \text{ ft}^2 = 4840 \text{ yd}^2$
$1 \text{ mi}^2 = 640 \text{ acres}$

Weights

$1 \text{ oz} \approx 28 \text{ g}$
$1 \text{ lb} \approx .45 \text{ kg}$
$1 \text{ T} \approx .9 \text{ t}$

King Henry Died By Drinking Chocolate Milk

K H D B D C M