Conversions

1. Perform the conversions by multiplying by the appropriate Conversion factor. Round all answers to the nearest thousandth.

12 in = 1ft 3ft = 1 yd 5280ft = 1 mi 2.54cm = 1 in

a) Convert 3,000,000 inches to miles.

6) Convert 12 yards to centimeters.

c) Convert I mile to yards.

d) Convert 55 miles per hour to feet per second.

| 2 | Perform the Conversions by multiplying by the appropriate Conversion factor. Round all answers to the nearest thousand ths. |
|---|---|
| | a) Convert 10,000 cm² to ft² |
| | b) Convert 12 yd² to cn². |
| | c) Convert 4 m³ to ft3. |
| | d) Convert 12 gd³ to in³ |
| | |

| e) Convert 65 mph to km per hour. |
|-------------------------------------|
| f) How many ownces are in I gallon? |
| a) How many cups are in 2 Liters? |
| W. Convert O°C to Fahrenheit? |
| 2) Convert 104°F to Celsius. |
| |

Conversions 1. Perform the conversions by multiplying by the appropriate conversion factor. Round all answers to the nearest thousandth. 12in=1ft 3ft=1yd 5280ft=1mi 2.54cm=1in a) Convert 3,000,000 inches to miles. (3,000,000 in) (1ft) (1mi) = (47,348 mi) b) Convert 12 yards to centimeters. (12 4) (3 ft) (12 k) (254 cm) (1,097,280 cm) c) Convert I mile to yards. (4) (5280ft) (344) = (1,760,000 yds) d) Convert 55 miles per hour to feet per second. (55 m) (5280-ft) (1hc) (1min) = (80.667 = 10)

| Perform the Conversions by multiplying by the appropriate conversion factor. Round all answers to the nearest thousand ths. |
|---|
| a) Convert 10,000 cm² to ft^2 |
| b) Convert 12 yd^2 to cm^2 . |
| c) Convert 4 m^3 to ft^3 . |
| d) Convert $12yd^3$ to in^3 . |
| |

| e) Convert 65 mph to km per hour. |
|---|
| (65 mi) (5,280-fe) (12 in) (2.54cm) (1m) (1km) - (104.607 km) (1 fe) (1 mi) (144) (1 in) (100cm) (1,000m) = (104.607 km) |
| f) How many ounces are in I gallon? |
| (19al) (49t) (2pt) (2cups) (80t) = (128,000 07) |
| g) How many cups are in 2 Liters? |
| (24) (1069£ (20£) (2005) - (8.480 cups) |
| h) Convert 0°C to Fahrenheit? |
| F= {4+32 = {6}+32 = (32°F) |
| 2) Convert 104°F to Celsius. |
| C===(104-32)===(72)=(40°C) |
| |
| $(24)(1.069)(29)(20)(8.4800)$ h) Convert 0°C to Fahrenheit? $F = \frac{9}{5}(1+32) = \frac{9}{5}(0) + 32 = \frac{329}{5}$ i) Convert $104^{\circ}F$ to Celsius. |