UNIT CONVERSION ENGLISH SYSTEM CONVERSION

Converting the unit of measurement from Englishto-English System of Measurement.

Example:

Large unit to small unit

Since

1 foot = 12 inches

Perform the indicated operation.

> Cancellation of similar unit

1 foot

Cross multiply

1

1

Therefore: 6 feet = 72 inches

Small unit to large unit

Since

1 yard = 36 inches

Perform the indicated operation.

Cancellation of similar unit

> Cross multiply

Therefore: 120 inches is 33.33 yard

METRIC SYSTEM CONVERSION

Converting the unit of measurement from Metricto-Metric System of Measurement.

Large unit to small unit

Since

Perform the indicated operation.

> Cancellation of similar unit

1 meter

Cross multiply

$$25 \times 100 \text{ centimeters} = 2500 \text{ centimeter} = 2500 \text{ centimeters}$$

Therefore: 25 meters is 2500 centimeter

Small unit to large unit

Since

$$1,000 \text{ millimeter} = 1 \text{ meter}$$

Perform the indicated operation.

> Cancellation of similar unit

1,000 millimeter

Cross multiply

$$\frac{1,234 \times 1 \text{ meter}}{1,000} = \frac{1,234 \text{ meter}}{1,000} = 1.234 \text{ meter}$$

Therefore: 1,234 millimeter is 1.234 meter

ENGLISH TO METRIC CONVERSION AND VISE VERSA

Converting the unit of measurement from English to Metric System of Measurement.

Large unit to small unit

$$1 \text{ foot} = 30.34 \text{ centimeter}$$

Perform the indicated operation.

Cancellation of similar unit

> Cross multiply

Therefore: 6 feet is 182.88 centimeter

Small unit to Large unit

2. 650 millimeter = _____ feet

Since

10 millimeter = 1 centimeter

> Cancellation of similar unit

Cross multiply

Therefore: 650 millimeter is 2.13 feet