

10/20/17

Q: Why is it important to compare measures using the same type of unit?

Questions:

Notes:

How many cm in 1 meter?

A board measures 42 cm long. Another board is 2 meters long. What is the total length of both boards in meters?

What are the steps in this word problem?

Answer: 2.42 meters

100 cm in 1 meter

Units

prefix:	Value:	Abreviation:	Scientific:
Tera:	1,000,000,000,000	T	$1 \cdot 10^{12}$
Giga:	1,000,000,000	G	$1 \cdot 10^9$
Mega:	1,000,000	M	$1 \cdot 10^6$
Kilo:	1,000	K	$1 \cdot 10^3$
Hecto:	100	h	$1 \cdot 10^2$
Deka:	10	da	$1 \cdot 10^1$

Base Units 1

Computer storage, length, weight, volume
Byte, meters, grams, liters

Units Continued

Prefix	Value	Abreviation	Scientific
Deci:	.1 or $\frac{1}{10}$	d	$1 \cdot 10^{-1}$
Centi:	.01 or $\frac{1}{100}$	c	$1 \cdot 10^{-2}$
milli:	.001 or $\frac{1}{1000}$	m	$1 \cdot 10^{-3}$
Micro:	.000,001	μ	$1 \cdot 10^{-6}$
Nano:	.000,000,001	n	$1 \cdot 10^{-9}$