

What quantities do we measure and what units do we use?

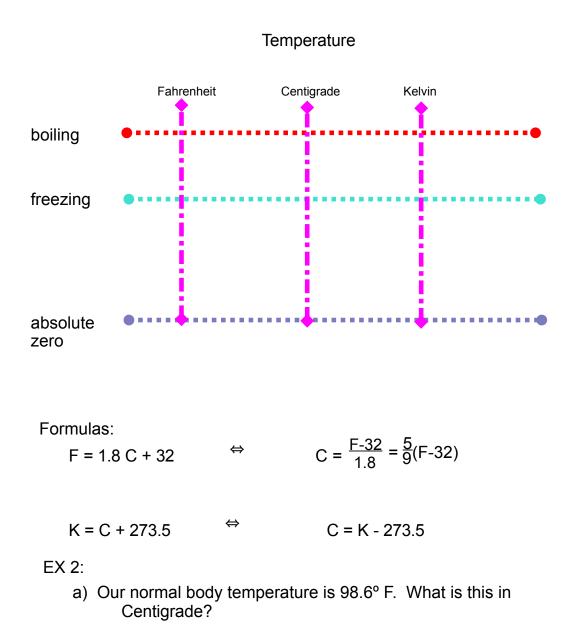
	Customary units	Metric system
length & distance		
volume		
weight (mass)		

Here are a few commonly used conversions between Metric and USCS measurements:

1 in ≈ 2.540 cm	1 oz ≈ 28.3495 g	1 qt ≈ 0.9464 liter
1 yd ≈ 0.9144 m	1 lb ≈ 0.4536 kg	
1 mi ≈ 1.6093 km		

## EX 1:

- a) How many liters are in a 6-pack of 12-oz cans of pop?
- b) If you go 100 km/hr in your Porsche, what is the speed in mph?
- c) If water sells for \$2.00 per quart and soda sells for \$0.99 per 2-liter bottle, howmuch more expensive is water?



 b) The average temperature of Madrid, Spain ranges from 0° C to 32° C. How do these compare with Salt Lake City (21° F to 91° F) which is close to the same latitude of 41°N?