

**Welcome! Please get your ISN from your shelf and have a seat! Then complete this warm-up in your Google classroom!!**

Sep 6-8:01 AM

TOC pg 27-28 Temperature

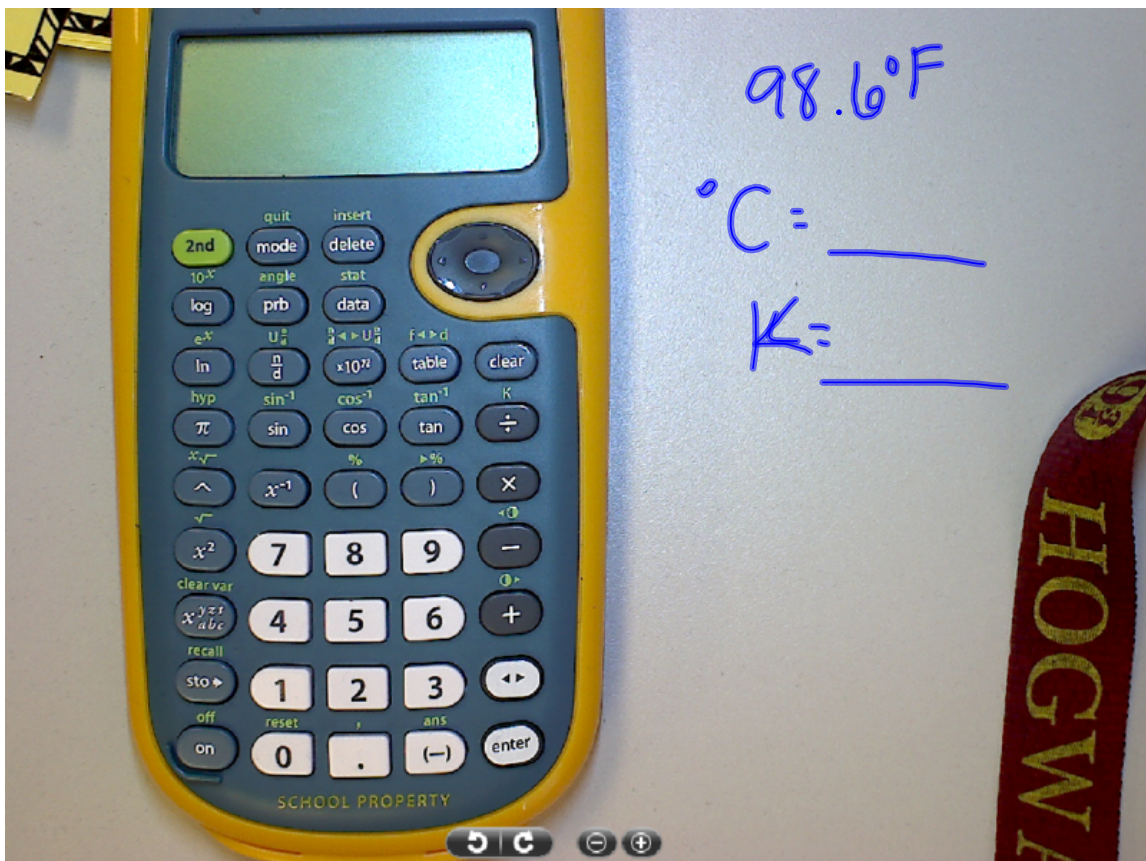
<p><u>Fahrenheit</u></p> <ul style="list-style-type: none"> <li>• °F</li> <li>• Daniel Gabriel Fahrenheit</li> </ul>	<ul style="list-style-type: none"> <li>• US is the only country that uses °F as temperature measure</li> </ul>	<p>°C → °F</p> $F = \frac{9}{5}C + 32$ <p>K → °F</p> $F = \frac{9}{5}K - 459.67$
----->		
<p><u>Celsius</u></p> <ul style="list-style-type: none"> <li>• °C</li> <li>• named for Anders Celsius</li> <li>• based on 0° - 100° H<sub>2</sub>O</li> </ul>		<p>°F → °C</p> $C = \frac{5}{9}(F - 32)$ <p>K → °C</p> $C = K - 273.15$
----->		
<p><u>Kelvin</u></p> <ul style="list-style-type: none"> <li>• K</li> <li>• named for William Lord Kelvin</li> <li>• based on absolute zero.</li> </ul>		<p>°F → K</p> $K = \frac{5}{9}(F + 459.67)$ <p>°C → K</p> $K = C + 273.15$

Sep 6-8:24 AM

# TOC pg 27-28 Temperature

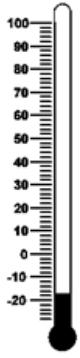
0° F	<u>-17.8</u> °C	<u>255.45</u> K
32° F (freezing point)	<u>0</u> °C	<u>273.15</u> K
70° F (room temperature)	<u>21.11</u> °C	* <u>294.25</u> K
98.6° F (body temperature)	<u>37</u> °C	<u>310.15</u> K
212° F (boiling point)	<u>100</u> °C	<u>373.15</u> K

Sep 6-9:12 AM



Sep 6-12:24 PM

Pg 27 Examples



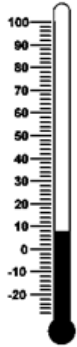
Sep 6-9:12 AM

Pg 27 Examples



Sep 6-9:13 AM

# Pg 27 Examples



Sep 6-9:13 AM

# Pg 27 Examples



Sep 6-9:14 AM

## Temperature Conversion Worksheet

Fahrenheit		Celsius	Kelvin	Comments
	=	100°		Water boils
200°	=			
100°	=			
80°	=			
70°	=			
	=	20°		Typical room temperature
	=	10°		
	=	0°		Water freezes

Sep 6-9:18 AM