

## Lesson: Temperature

**Third Grade Objective 2.02d:** Estimate and measure using appropriate units, Temperature (Fahrenheit, Celsius).

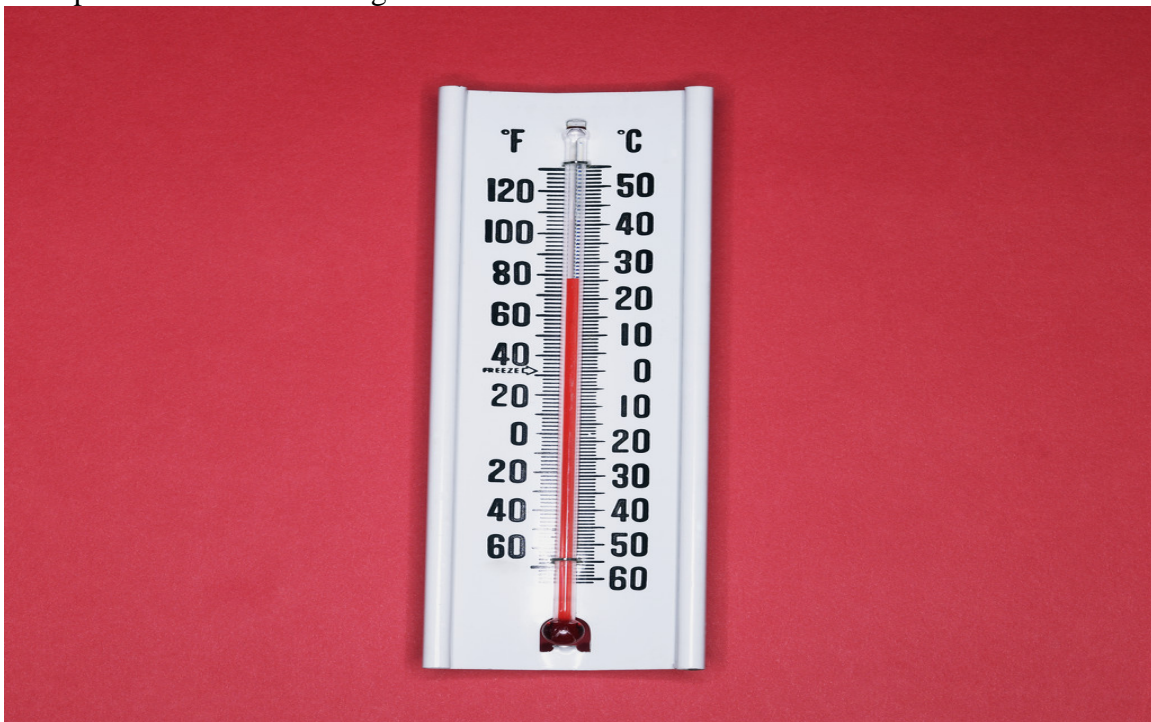
### Lesson

We can measure temperature in Fahrenheit and Celsius. G. Daniel Fahrenheit developed a system for measuring temperature in the 1700's. The Celsius scale was developed in the 18<sup>th</sup> century. America uses the Fahrenheit system of temperature measuring. Most of the rest of the world uses the Celsius scale.

Here are some temperature benchmarks –

	Fahrenheit	Celsius
Freezing	32°	0°
Need to wear a coat	40°	4°
Long pants and a light jacket	60°	15°
Shorts and a t-shirt	80°	26°
Swimming pool time!	90°	32°
Boiling	212°	100°

When reading a thermometer, find the top of the mercury line. This thermometer shows a temperature of about 80 degrees Fahrenheit.



Try these websites for more practice with temperature:

<http://eo.ucar.edu/webweather/>

[www.weather.com](http://www.weather.com)

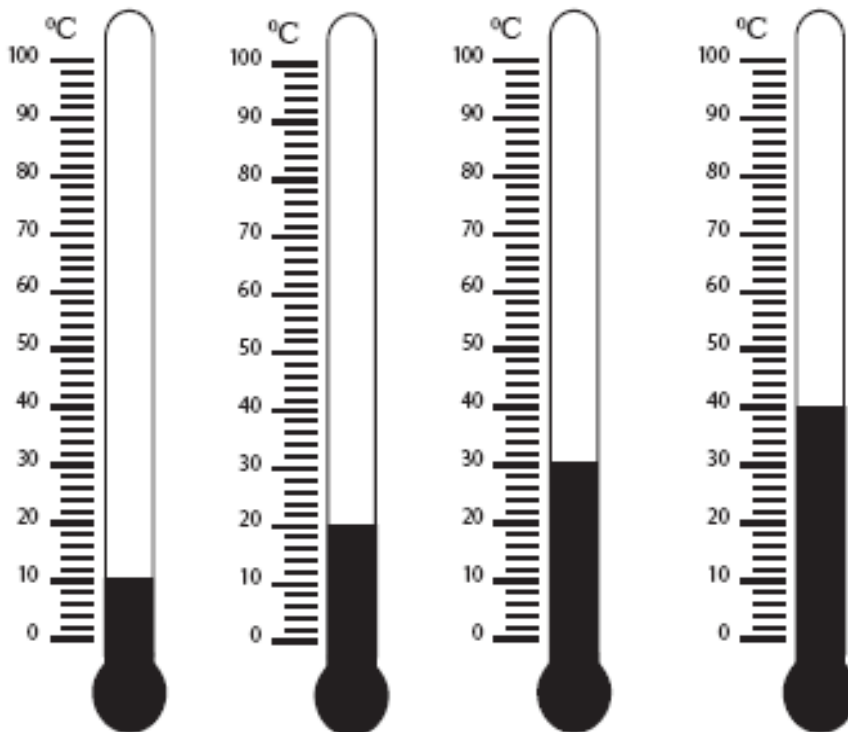
Here is a Fahrenheit to Celsius converter –

<http://www.wbuf.noaa.gov/tempfc.htm>

**Try these on your own!**

Look at the four thermometers below to answer these questions:

1. Which thermometer shows a temperature when you would wear a coat and a hat outside?
2. Name one thermometer that shows a temperature when you might want to eat a popsicle outside to cool off.
3. Which thermometer shows a temperature that might be too hot to be outside?



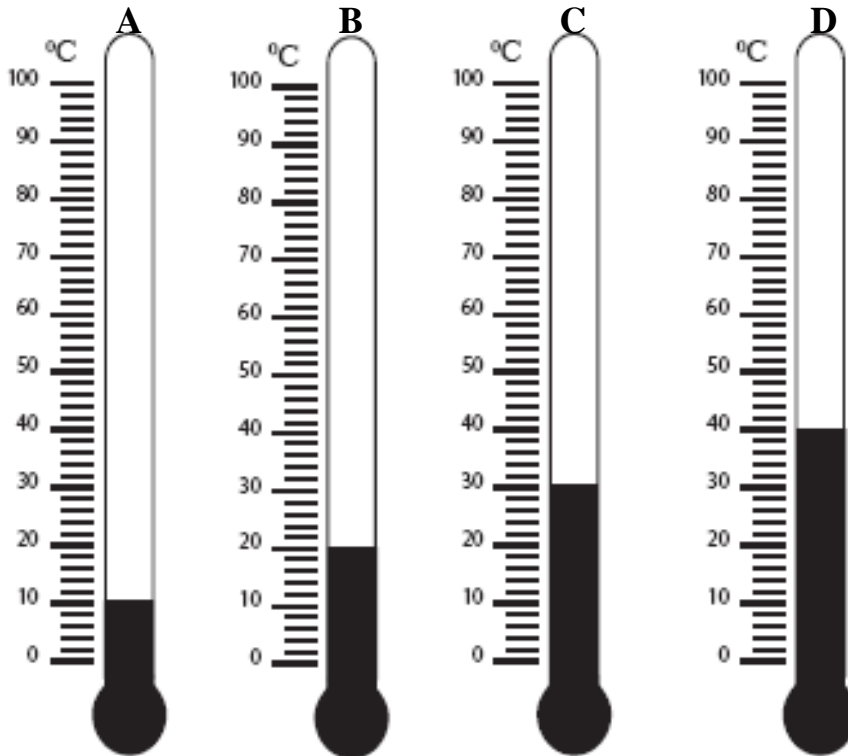
4. Everyone in Mr. Monroe's class is wearing shorts and a short sleeve shirt today. What might the temperature be in both Fahrenheit and Celsius?

### Check Your Answers

#### Try these on your own!

Look at the four thermometers below to answer these questions:

1. Which thermometer shows a temperature when you would wear a coat and a hat outside? **A**
2. Name one thermometer that shows a temperature when you might want to eat a popsicle outside to cool off. **B or C**
3. Which thermometer shows a temperature that might be too hot to be outside? **D**



4. Everyone in Mr. Monroe's class is wearing shorts and a short sleeve shirt today. What might the temperature be in both Fahrenheit and Celsius? Around 70-100 degrees Fahrenheit or around 22-35 degrees Celsius.