



## Acton PIP 3<sup>rd</sup> Grade Market Math Thermometry at Home

*When we measure temperature, what are we measuring?*

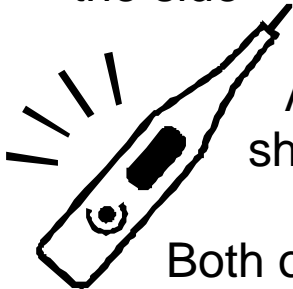
The “hotness” of something. Some things feel hot, some things feel cold. We use thermometers to measure the temperature and scales (Fahrenheit and Celsius) to give the temperature a number.

*What do we use to measure temperature?*

A “liquid in glass” thermometer is a common type of thermometer. It works because as a liquid gets hotter it takes up more space. The liquid in the thermometer moves up the tube as it gets warmer.

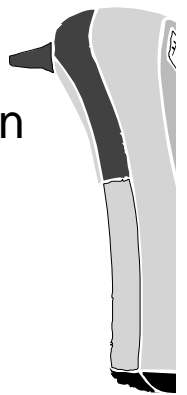


To find the temperature, you read the number off of the scale on the side of the tube.



Another type of thermometer is electronic. These show the temperature on a small display.

Both of these thermometers take a couple of minutes to get the temperature. There is a thermometer in many houses that can get the temperature very quickly. It can be put into your ear and find your temperature in one second! It can “see” your temperature.



## Temperatures in Your House

1. Where in your house can you find thermometers?

---

---

---

2. Ask your parents for a non-mercury thermometer that you can use to collect some temperatures around the house. Choose several locations in your house (e.g., basement, your bedroom, living room). Write down the place and its temperature in the table below.

Collection Place	Temperature	
	°F	°C
	°F	°C
	°F	°C
	°F	°C
	°F	°C
	°F	°C
	°F	°C
	°F	°C

What was the hottest temperature that you found?

---

What was the coldest temperature that you found?

---

What is the range of temperatures that you found? (the range is the highest temperature that you found *minus* the lowest temperature that you found.)

---

---