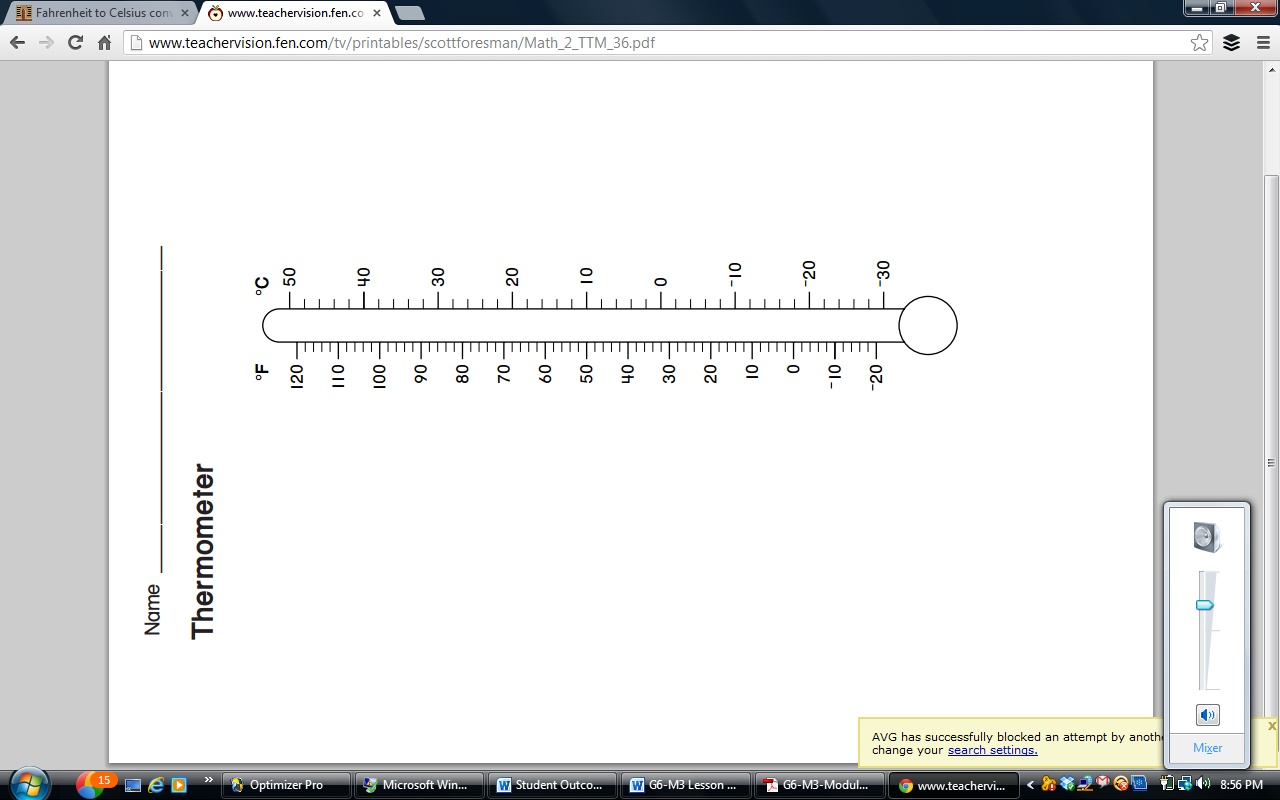
Lesson 2: Real-World Positive and Negative Numbers and Zero

Problem Set

1. Express each situation as an integer in the space provided.

|  |  |
| --- | --- |
| * 1. A gain of points in a game |  |
| * 1. A fee charged of |  |
| * 1. A temperature of degrees below zero |  |
| * 1. A -yard loss in a football game |  |
| * 1. The freezing point of water in degrees Celsius |  |
| * 1. A deposit |  |

For Problems 2–5, use the thermometer to the right.



1. Each sentence is stated *incorrectly*. Rewrite the sentence to correctly describe each situation.
   1. The temperature is degrees Fahrenheit below zero.
   2. The temperature is degrees Celsius below zero.
2. Mark the integer on the thermometer that corresponds to the temperature given.
3. The boiling point of water is . Can this thermometer be used to record the temperature of a boiling pot of water? Explain.
4. Kaylon shaded the thermometer to represent a temperature of degrees below zero Celsius as shown in the diagram. Is she correct? Why or why not? If necessary, describe how you would fix Kaylon’s shading.