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

Problem Set

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

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| * 1. A gain of $56$ points in a game
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| * 1. A fee charged of $\$2$
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| * 1. A temperature of $32$ degrees below zero
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| * 1. A $56$-yard loss in a football game
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| * 1. The freezing point of water in degrees Celsius
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| * 1. A $\$12,500$ deposit
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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 $-10$ degrees Fahrenheit below zero.
	2. The temperature is $-22$ degrees Celsius below zero.
2. Mark the integer on the thermometer that corresponds to the temperature given.
	1. $70°F$
	2. $12℃$
	3. $110℉$
	4. $-4℃$
3. The boiling point of water is $212°F$. 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 $20$ 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.