### Lesson 7 Practice Problems

1. In the context of elevation, what would $\left|-7\right|$ feet mean?
2. Match the the statements written in English with the mathematical statements.
	1. The number -4 is a distance of 4 units away from 0 on the number line.
	2. The number -63 is more than 4 units away from 0 on the number line.
	3. The number 4 is greater than the number -4.
	4. The numbers 4 and -4 are the same distance away from 0 on the number line.
	5. The number -63 is less than the number 4.
	6. The number -63 is further away from 0 than the number 4 on the number line.
	7. $\left|-63\right|>4$
	8. $-63<4$
	9. $\left|-63\right|>\left|4\right|$
	10. $\left|-4\right|=4$
	11. $4>-4$
	12. $\left|4\right|=\left|-4\right|$
3. Compare each pair of expressions using >, <, or =.
	* $-32$ \_\_\_\_\_ $15$
	* $\left|-32\right|$ \_\_\_\_\_ $\left|15\right|$
	* $5$ \_\_\_\_\_ $-5$
	* $\left|5\right|$ \_\_\_\_\_ $\left|-5\right|$
	* $2$ \_\_\_\_\_ $-17$
	* $2$ \_\_\_\_\_ $\left|-17\right|$
	* $\left|-27\right|$ \_\_\_\_\_ $\left|-45\right|$
	* $\left|-27\right|$ \_\_\_\_\_ $-45$
4. Mai received and spent money in the following ways last month. For each example, write a signed number to represent the change in money from her perspective.
	1. Her grandmother gave her $25 in a birthday card.
	2. She earned $14 dollars babysitting.
	3. She spent $10 on a ticket to the concert.
	4. She donated $3 to a local charity
	5. She got $2 interest on money that was in her savings account.
* (From Unit 7, Lesson 5.)
1. Here are the lowest temperatures recorded in the last 2 centuries for some US cities.
	* Death Valley, CA was $-45^{∘}F$ in January of 1937.
	* Danbury, CT was $-37^{∘}F$ in February of 1943.
	* Monticello, FL was $-2^{∘}F$ in February of 1899.
	* East Saint Louis, IL was $-36^{∘}F$ in January of 1999.
	* Greenville, GA was $-17^{∘}F$ in January of 1940.
	1. Which of these states has the lowest record temperature?
	2. Which state has a lower record temperature, FL or GA?
	3. Which state has a lower record temperature, CT or IL?
	4. How many more degrees colder is the record temperature for GA than for FL?
* (From Unit 7, Lesson 1.)
1. Find the quotients.
	1. $0.024÷0.015$
	2. $0.24÷0.015$
	3. $0.024÷0.15$
	4. $24÷15$
* (From Unit 5, Lesson 13.)



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