-282 CA

-8 LO

3350 CD

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nit 7, Lesson 3: Comparing Positive and Negative Numbers

1. Decide whether each inequality statement is true or false. Explain your reasoning.

a05>2 False more left on number line, below 0

b.3>-8 True, 3 is to the right of 0

c.-12>-15 True, -12 is less negative, only 12 units
from 0 compared to 15 which is 15 units

d.-12.5>-12 False -12 is less negative, only 12 units

to the left compared to 12.5 for -12.5

2. Here is a true statement: -8.7 < -8.4. Select all of the statements that are equivalent to -8.7 < -8.4.

A. -8.7 is further to the right on the number line than -8.4. $\cal N$

B. -8.7 is further to the left on the number line than -8.4.

C. -8.7 is less than -8.4. Yes

D. -8.7 is greater than -8.4. No

E. -8.4 is less than -8.7. **No**

F. -8.4 is greater than -8.7. **Ye5**

3. The table shows five states and the lowest point in each state.

state	lowest elevation (feet)
California	-282
Colorado	3350
Louisiana	-8
New Mexico	2842
Wyoming	3099

Put the states in order by their lowest elevation, from least to greatest. (from Unit 7, Lesson 4)

NAME

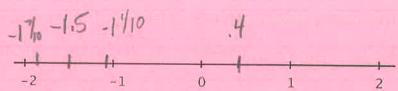
DATE

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4. Plot each of the following numbers on the number line. Label each point with its numeric value.

 $0.4, -1.5, -1\frac{7}{10}, -\frac{11}{10}$





(from Unit 7, Lesson 2)

5. Each lap around the track is 400 meters.

a. How many meters does someone run if they run:

2 laps?

b. If Noah ran 14 laps, how many meters did he run?

c. If Noah ran 7,600 meters, how many laps did he run? (from Unit 6, Lesson 6)

400x=7600

6. A stadium can seat 16,000 people at full capacity.

a. If there are 13,920 people in the stadium, what percentage of the capacity is filled? Explain or show your reasoning. 13,920 = .87 = 8710 full

b. What percentage of the capacity is not filled?

100°10 - 87°10 = 13% not

(from Unit 3, Lesson 16)