

## Lesson 2 Practice Problems

1. Plot these points on a number line.

- -1.5
- the opposite of 0.5
- the opposite of -2
- -2

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

a.  $-5 > 2$

b.  $3 > -8$

c.  $-12 > -15$

d.  $-12.5 > -12$

3. 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.

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

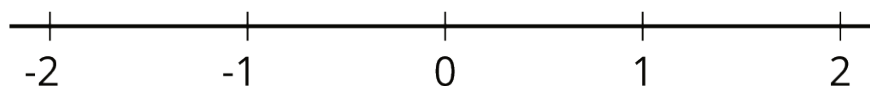
C. -8.7 is less than -8.4.

D. -8.7 is greater than -8.4.

E. -8.4 is less than -8.7.

F. -8.4 is greater than -8.7.

4. Plot each of the following numbers on the number line. Label each point with its numeric value.  $0.4$ ,  $-1.5$ ,  $-1\frac{7}{10}$ ,  $-\frac{11}{10}$



5. Each lap around the track is 400 meters.
- How many meters does someone run if they run:  
 2 laps?                                  5 laps?                                   $x$  laps?
  - If Noah ran 14 laps, how many meters did he run?
  - If Noah ran 7,600 meters, how many laps did he run?

(From Unit 4, Lesson 6.)

6. Write the solution to each equation as a fraction and as a decimal.

a.  $2x = 3$

b.  $5y = 3$

c.  $0.3z = 0.009$

(From Unit 4, Lesson 5.)