Name_____ Date_____ Period_____

LESSON 7-4 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Compare Rational Numbers

Builds on Lesson 7-4 Session 1 · 6.NS.C.7a

TODAY'S LESSON	You will order temperatures like −11, 4, −19, 0, and −2.
YOU NEED TO	Compare two numbers: the one farther left on the number line is less. **You will use it in Practice Form A, problems 1 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Picture **both numbers** on a number line.
2. The number farther **left** is less.
3. Write **<** with the lesser number first.

WATCH ME

the steps in action

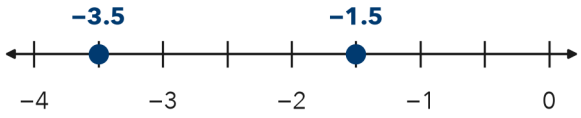
Compare −3.5 and −1.5.

Step 1 Plot −3.5 and −1.5.

Step 2 −3.5 is farther left.

Step 3 −3.5 < −1.5

Answer **−3.5 < −1.5**



TRY IT WITH HELP

fill in each step

1. Compare −6 and −2.

Step 1 Picture _____ and _____ on the line.

Step 2 Farther left: _____

Step 3 _____ < _____

2. Compare −9 and 4.

Step 1 Picture _____ and _____ on the line.

Step 2 Farther left: _____

Step 3 _____ < _____

YOUR TURN

use the steps on your own

3. Write a true statement with < for each pair.

a. −7, 2 _____

b. −1, −8 _____

c. 0, −0.5 _____

d. −4.2, −4.3 _____

e. −12, −21 _____

f. −3/4, −1/4 _____

Absolute Value as Distance

Builds on Lesson 7-3 Session 1 · 6.NS.C.7c

TODAY'S LESSON	You will decide which golf score is farther from 0, −7 or 5.
YOU NEED TO	Use absolute value to find distance from 0, like |−7| = 7. **You will use it in Practice Form A, problems 2 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **absolute value** of each number.
2. **Compare** the absolute values.
3. The greater absolute value is **farther** from 0.

WATCH ME

the steps in action

Which is farther from 0, −6 or −2?

Step 1 |−6| = 6 and |−2| = 2

Step 2 6 > 2

Step 3 −6 is farther from 0.

Answer **−6**

TRY IT WITH HELP

fill in each step

4. Which is farther from 0, −7 or 5?

Step 1 |−7| = _____ and |5| = _____

Step 2 7 _____ 5

Step 3 _____ is farther from 0.

5. Which is farther from 0, −3 or 4?

Step 1 |−3| = _____ and |4| = _____

Step 2 3 _____ 4

Step 3 _____ is farther from 0.

YOUR TURN

use the steps on your own

6. Which is farther from 0?

a. −5 or 3 _____ **b.** −8 or 8 _____ **c.** −2 or −9 _____

d. −4.5 or 4 _____ **e.** 0 or −1 _____ **f.** −10 or 6 _____

READY CHECK

a problem like the one in today's lesson

7. Readings: −1.5, 2, −3, and 0.5. Which is farthest from 0?

A −1.5 **B** 2 **C** −3 **D** 0.5

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____