Name_____ Date_____ Period_____

LESSON 7-5 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Locate Negative Decimals

Builds on Lesson 7-2 Session 1 · 6.NS.C.6c

TODAY'S LESSON	You will plot (−3.5, 2.5). First go 3.5 units left of the origin.
YOU NEED TO	Find a negative decimal like −3.5: halfway between −4 and −3. **You will use it in Practice Form A, problem 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the two **integers** the number sits between.
2. Split that gap into equal **parts**.
3. Count the parts **away from 0**. Mark the point.

WATCH ME

the steps in action

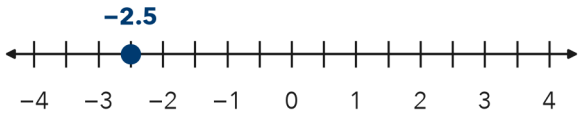
Plot −2.5.

Step 1 −2.5 is between −2 and −3.

Step 2 Split −2 to −3 into 2 equal parts.

Step 3 Count 1 part left of −2. Mark it.

Answer **halfway between −3 and −2**



TRY IT WITH HELP

fill in each step

1. Plot −1.5.

Step 1 −1.5 is between _____ and _____.

Step 2 Split the gap into _____ equal parts.

Step 3 Count _____ part left of −1. Mark it.

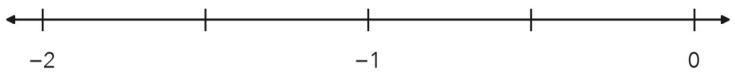
2. Plot −0.5.

Step 1 −0.5 is between _____ and _____.

Step 2 Split the gap into _____ equal parts.

Step 3 Count _____ part left of 0. Mark it.

Use this number line:



YOUR TURN

use the steps on your own

3. Write the two integers each number is between.

a. −3.5 _____

b. −6.25 _____

c. −0.75 _____

d. −1.5 _____

e. −4.5 _____

f. −2.25 _____

Use Signs to Show Direction

Builds on Lesson 7-1 Session 2 · 6.NS.C.5

TODAY'S LESSON	You will turn "6 units left, 11 units above" into (−6, 11).
YOU NEED TO	Write a number for a move: left or down is −, right or up is +. **You will use it in Practice Form A, problem 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. Read the **direction** word.
2. Right or up is **+**. Left or down is **−**.
3. Write the **number** with its sign.

WATCH ME

the steps in action

A point is 4 units left of 0. Write its number.

Step 1 The direction is left.

Step 2 Left is −.

Step 3 Write −4.

Answer **−4**

TRY IT WITH HELP

fill in each step

4. A point is 7 units down from 0. Write its number.

Step 1 The direction is _____.

Step 2 Down is _____.

Step 3 Write _____.

5. A point is 2.5 units up from 0. Write its number.

Step 1 The direction is _____.

Step 2 Up is _____.

Step 3 Write _____.

YOUR TURN

use the steps on your own

6. Write a number for each move from 0.

a. 5 units right _____

b. 3 units left _____

c. 8 units down _____

d. 1.5 units up _____

e. 6.5 units left _____

f. 9 units up _____

READY CHECK

a problem like the one in today's lesson

7. A point is 4 units left and 9 units up from the origin. Which ordered pair names it?

A (4, 9) **B** (−4, 9) **C** (9, −4) **D** (−4, −9)

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