Name_____ Date_____ Period_____

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

Plot Rational Numbers

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

TODAY'S LESSON	You will find opposites of depths like −4.5 m and plot them.
YOU NEED TO	Plot a negative decimal, like −2.5: halfway between −2 and −3. **You will use it in Practice Form A, problems 2 and 8.**

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

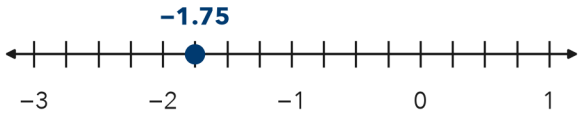
the steps in action

Plot −1.75.

Step 1 −1.75 is between −1 and −2.

Step 2 Split −1 to −2 into 4 equal parts.

Step 3 Count 3 parts left of −1. Mark the point.

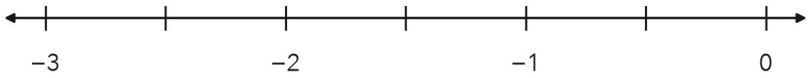


Answer **3 parts left of −1, close to −2**

TRY IT WITH HELP

fill in each step

1. Plot −2.5.



Step 1 −2.5 is between _____ and _____.

Step 2 Split the gap into _____ equal parts.

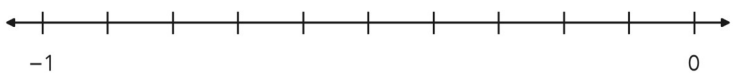
Step 3 Count _____ part left of −2. Mark it.

2. Plot −0.4.

Step 1 −0.4 is between _____ and _____.

Step 2 Split the gap into _____ equal parts.

Step 3 Count _____ parts 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. −2.7 _____ **b.** −4.5 _____ **c.** −0.8 _____

d. 3.6 _____ **e.** −7.25 _____ **f.** −11.5 _____

Find Opposites of Integers

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

TODAY'S LESSON	You will find values like −(−4.5) and the opposite of −7/8.
YOU NEED TO	Find the opposite of an integer, like −(−5) = 5. **You will use it in Practice Form A, problems 1, 3, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the number's **distance** from 0.
2. **Switch** sides of 0: left becomes right, right becomes left.
3. Write the number on the new side. −( ) means **the opposite of**.

WATCH ME

the steps in action

Find −(−12).

Step 1 −12 is 12 units from 0.

Step 2 −12 is left of 0. Switch to the right.

Step 3 −(−12) = 12.

Answer 12

TRY IT WITH HELP

fill in each step

4. Find the opposite of 9.

Step 1 9 is _____ units from 0.

Step 2 9 is right of 0. Switch to the _____.

Step 3 The opposite of 9 is _____.

5. Find −(−20).

Step 1 −20 is _____ units from 0.

Step 2 −20 is left of 0. Switch to the _____.

Step 3 −(−20) = _____.

YOUR TURN

use the steps on your own

6. Find each value. −(n) means the opposite of n.

a. −(−7) = _____ **b.** −(0) = _____ **c.** −(−1) = _____

d. −(15) = _____ **e.** −(−30) = _____ **f.** −(6) = _____

READY CHECK

a problem like the one in today's lesson

7. What is −(−4.5)?

A −4.5 **B** 4.5 **C** 0 **D** −9

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