Name_____ Date_____ Period_____

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

Locate Rational Numbers

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

TODAY'S LESSON	You will plot −7/8 and −1/8 and decide which is greater.
YOU NEED TO	Plot a negative fraction, like −3/4: 3 fourths left of 0. **You will use it in Practice Form A, problems 2 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 Negative means **left** of 0.

2 Split 0 to −1 into equal parts. Use the **bottom number**.

3 Count the **top number** of parts left from 0. Mark it.

WATCH ME

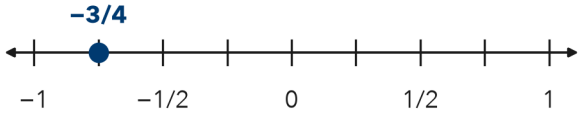
the steps in action

Plot −3/4.

Step 1 −3/4 is left of 0.

Step 2 The bottom number is 4. Split 0 to −1 into 4 parts.

Step 3 Count 3 parts left from 0. Mark it.



Answer **3 parts left of 0**

TRY IT WITH HELP

fill in each step

1. Plot −1/2.

Step 1 −1/2 is _____ of 0.

Step 2 Split 0 to −1 into _____ parts.

Step 3 Count _____ part left from 0.

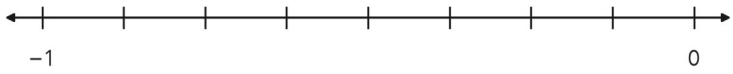
2. Plot −5/8.

Step 1 −5/8 is _____ of 0.

Step 2 Split 0 to −1 into _____ parts.

Step 3 Count _____ parts left from 0.

Use this number line:



YOUR TURN

use the steps on your own

3. For each number, write how many parts to split 0 to −1 into, then how many to count left.

a. −1/4 _____ **b.** −2/3 _____ **c.** −3/8 _____

d. −4/5 _____ **e.** −1/3 _____ **f.** −5/6 _____

Write Integers for Situations

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

TODAY'S LESSON	You will compare cave floors at −24 m and −9 m.
YOU NEED TO	Write an integer for a situation, like 24 m below sea level = −24. **You will use it in Practice Form A, problems 3, 4, and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **zero** point: the ground, sea level, or $0.
2. Choose the **sign**: above or gain is +. Below or loss is −.
3. Write the **number** with its sign.

WATCH ME

the steps in action

A submarine is 35 m below sea level. Write an integer.

Step 1 Zero is sea level.

Step 2 Below sea level, so the sign is −.

Step 3 Write −35.

Answer **−35**

TRY IT WITH HELP

fill in each step

4. A player loses 12 points. Write an integer.

Step 1 Zero is _____ points.

Step 2 A loss, so the sign is _____.

Step 3 The integer is _____.

5. It is 6 degrees above 0. Write an integer.

Step 1 Zero is _____ degrees.

Step 2 Above 0, so the sign is _____.

Step 3 The integer is _____.

YOUR TURN

use the steps on your own

6. Write an integer for each situation.

a. owe $40 _____

b. 18 m below sea level _____

c. gain 7 yards _____

d. a $25 deposit _____

e. a drop of 3 degrees _____

f. 9 m below sea level _____

READY CHECK

a problem like the one in today's lesson

7. Cave A's floor is 24 m below sea level. Which integer shows it?

A 24 **B** −24 **C** −2.4 **D** 0

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