Name_____ Date_____ Period_____

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

Write Integers for Situations

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

TODAY'S LESSON	You will write numbers for spots above and below 0, like a carrot root 0.75 m down.
YOU NEED TO	Write an integer for a situation, like 40 feet below the ground = −40. **You will use it in Practice Form A, problems 2 and 7.**

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 cave floor is 40 feet below the ground. Write an integer.

Step 1 Zero is the ground.

Step 2 Below the ground, so the sign is −.

Step 3 Write −40.

Answer **−40**

TRY IT WITH HELP

fill in each step

1. A kite flies 30 m above the ground.

Step 1 Zero is the _____.

Step 2 Above the ground, so the sign is _____.

Step 3 The integer is _____.

2. A bank account owes $22.

Step 1 Zero is _____.

Step 2 Owing money is a loss, so the sign is _____.

Step 3 The integer is _____.

YOUR TURN

use the steps on your own

3. Write an integer for each situation.

a. 25 ft above sea level _____

b. a debt of $18 _____

c. 8 floors below the street _____

d. a gain of 12 yards _____

e. 15 degrees below zero _____

f. a drop of 6 meters _____

Plot Integers on a Number Line

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

TODAY'S LESSON	You will plot readings like −2.5 and 2.5 on a number line.
YOU NEED TO	Find an integer on a number line, like −3: 3 units left of 0. **You will use it in Practice Form A, problems 3 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1 Start at **0**.

2 Read the **sign**: − goes left, + goes right.

3 Count the **units**. Mark the point.

WATCH ME

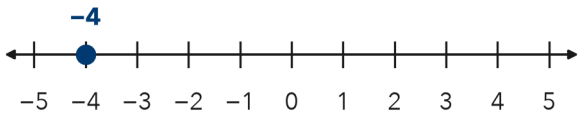
the steps in action

Plot −4.

Step 1 Start at 0.

Step 2 The sign is −, so go left.

Step 3 Count 4 units. Mark −4.



Answer **−4 is 4 units left of 0.**

TRY IT WITH HELP

fill in each step

4. Plot 3.

Step 1 Start at _____.

Step 2 The sign is +, so go _____.

Step 3 Count _____ units. Mark the point.

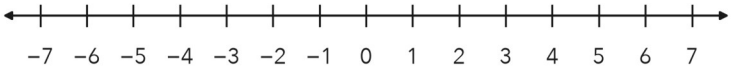
5. Plot −6.

Step 1 Start at _____.

Step 2 The sign is −, so go _____.

Step 3 Count _____ units. Mark the point.

Use this number line:



YOUR TURN

use the steps on your own

6. Write how many units from 0, and left or right.

a. −7 _____ **b.** 5 _____ **c.** −2 _____

d. 9 _____ **e.** −10 _____ **f.** 1 _____

READY CHECK

a problem like the one in today's lesson

7. A thermometer reads −3 degrees. Where do you plot −3?

A 3 units right of 0 **B** 3 units left of 0

C at 0 **D** 30 units left of 0

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