Name_____ Date_____ Period_____

LESSON 7-1 · SESSION 2 · PRACTICE · FORM B

Integers in Real Situations

Learning target – I can interpret integers in real situations and find the opposite of an opposite. · 6.NS.C.5

REMEMBER

- The sign tells which way a change goes. **Gains, rises, deposits** are positive. **Losses, drops, withdrawals** are negative.
- −(−9) means **the opposite of −9**, which is 9.
- The **opposite of the opposite** of a number is the number you started with.

WORKED EXAMPLE

Find the opposite of the opposite of −16.

Step 1 First flip: −16 goes to 16.

Step 2 Second flip: 16 goes back to −16.

Answer **−16 (two flips return to the start)**

WORDS **opposite** *(opuesto)* · **opposite of the opposite** *(opuesto del opuesto)* · **integer** *(entero)*

PRACTICE

show your work · label units

1. Write an integer for each situation.

a. a 12-yard loss ____

b. a refund of 30 dollars ____

c. a drop of 4 degrees ____

d. 150 feet above sea level ____

2. Find each value.

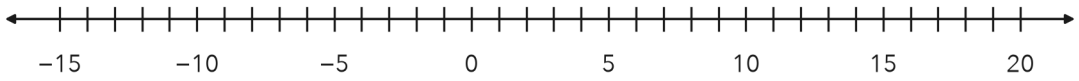
a. −(−24) = ____

b. opposite of the opposite of −5 ____

c. −(−38) = ____

d. −(6) = ____

3. **Mountain Lodges.** Morning temperatures: Pine Lodge 6 degrees, Summit Lodge −6 degrees, Valley Lodge 19 degrees, Ridge Lodge −13 degrees.



a. Plot and label all four temperatures.

b. Which two lodges show opposite temperatures? _____

c. How far from 0 is each of those two readings? _____ units

4. Freezer Gauge. A freezer gauge read −27 degrees, then changed to the opposite reading. What does it read now?

Hint *Flip −27 to the other side of 0.*

Show your work.

Answer_____ degrees

5. Stairwell. A worker walks 9 steps down into a basement, then climbs to the step that is the opposite. Write both integers.

Hint *Ground level is 0.*

Show your work.

Integers_____

6. Two Flips. Ruby says the opposite of the opposite of −14 is 14, because two negatives always make a positive. Is she right? Find the value.

Hint *Do one flip at a time.*

Show your work.

Value_____

7. Quiz Show Scores. Four players ended at −25, 25, 0, and −8 points. List the scores from farthest left to farthest right on a number line. Name the opposite pair.

Hint *Negative scores sit left of 0.*

Show your work.

Order_____

8. Drone Camera. A drone camera is at −42 meters (below a cliff top). It moves to the opposite reading, then to the opposite of the new reading.

a. Second reading: _____ m

b. Third reading: _____ m

c. What does 0 stand for here? _____

FIND THE ERROR

explain the mistake, then fix it

9. Nia's Work. Nia wrote: "The opposite of the opposite of −22 is 22. First opposite: −22 goes to 22. Second opposite: 22 stays 22, because two opposites must give a positive." Explain her mistake. Then give the correct value.

_____

_____

TEST PRACTICE

choose the best answer

10. −(−52) equals –

A −52 **B** 52 **C** 0 **D** 1/52

11. A withdrawal of 60 dollars is written as –

A 60 **B** −60 **C** 0 **D** −(−60)

SELF-CHECK CODE *find your answer · copy its letter into that problem's box · spell a math word*

−12 P	−14 I	42 V	27 T	14 Q	−5 S	−42 E	24 O	−27 Z	6 I

#1a	#2a	#2b	#3c	#4	#6	#8a	#8b

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