LESSON WORKSHEET · GRADE 6 · 6.NS.1-6.NS.3 · 6.AF.5

Integers, Absolute Value & the Coordinate Plane

Fill in each part when its number appears on the slide.

Name: _____ **Date:** _____

PART 1 · TARGET

I can use integers to describe real-world situations, compare them, find absolute value, and graph points in all four quadrants.

PART 2 · WARM-UP

1. What is the opposite of "5 degrees above zero"? Write both as integers.

_____

2. Which is colder: -8 °F or -3 °F? How do you know?

_____

3. Plot (3, 2) in your notes. Which way did you move first?

_____

PART 3 · PREDICTION

It was -8 °F in Fort Wayne and -3 °F in Evansville. Which city was colder?

Circle one: [ ] Fort Wayne [ ] Evansville [ ] Same

PART 4 · VOCABULARY

Word	Meaning
Integer	
Opposite	
Absolute value	
Quadrant	

PART 5 · OPPOSITES IN REAL LIFE

Positive and negative numbers describe _____, like gain and _____.

Check: Write an integer for "a loss of 12 yards."

Answer: _____

PART 6 · COMPARE INTEGERS

Numbers increase to the _____. -3 is _____ than -8.

Check: Which statement is true?

Circle one: (A) -3 0 (C) -3 > -8 (D) -8 > -3

PART 7 · ABSOLUTE VALUE

_____ is distance from zero. It is never _____.

Check: |-150| = ?

Answer: _____

PART 8 · THE COORDINATE PLANE

In (x, y), x moves _____ and y moves _____.

Check: What is the distance from A (-3, 4) to B (2, 4)?

Answer: _____

PART 9 · WORKED EXAMPLE

Final answer from the example: _____

PART 10 · WE DO

What is the distance between (-4, 3) and (5, 3)?

Answer: _____

PART 11 · YOU DO

Which is the coldest temperature?

Circle one: (A) -4 °F (B) 0 °F (C) 6 °F (D) -14 °F

PART 12 · WORK TIME: EXTREME EARTH FIELD TRIP

Write each code piece as you earn it: Stop 1: ____ Stop 2: ____ Stop 3: ____ Stop 4: ____ Stop 5: ____

Final code: _____

PART 13 · WRAP-UP

Was your prediction in Part 3 right? One thing I learned today:

_____

_____