

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) $-3 < -8$ (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: THE SONAR SUBMARINE QUEST

Write each code piece as you earn it: Level 1: _____ Level 2: _____ Level 3: _____ Level 4: _____ Level 5:

Final code: _____

PART 13 • WRAP-UP

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