

Integers, Absolute Value & the Coordinate Plane

Also Part 2 of the lesson worksheet.

Name: _____

Date: _____

EXPECTATIONS

5 min silent + 2 min share

1. Answer in Part 2 of the lesson worksheet (or on this sheet).
2. Number each answer to match the question.
3. Answer in complete sentences. For math, show your work.
4. Work silently for 5 minutes, then share with a partner for 2 minutes.
5. Be ready to share one answer with the class.

WARM-UP QUESTIONS

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?

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

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What to look for in student answers.

#	Question	Look for
1	What is the opposite of "5 degrees above zero"? Write both as integers.	5 degrees below zero; +5 and -5.
2	Which is colder: -8 °F or -3 °F? How do you know?	-8 °F, because it is farther below zero (farther left on the number line).
3	Plot (3, 2) in your notes. Which way did you move first?	Right 3 (x first), then up 2.

Use the warm-up to activate prior knowledge. Call on 2-3 students, and write one strong answer on the board as a model. Question 3 previews today's lesson, so do not correct it yet; come back to it in the debrief.