

Name _____

Integers Review

Integers:

Absolute Value:

Comparing and Ordering Integers:

Rational Numbers:

What's the difference between an integer and a rational number?

Integers:

The table gives the highest and lowest temperatures for some states in the United States. Use integers to describe the two temperatures for each state.

Delaware _____

Hawaii _____

Colorado _____

Alabama _____

**Record Temperatures
(in degrees, relative to zero)**

State	Highest	Lowest
Alabama	112 above	27 below
Delaware	110 above	17 below
Hawaii	100 above	12 above
Colorado	118 above	61 below

Writing in Math In your own words, tell what is meant by "the absolute value of an integer."

Comparing and Ordering Integers:

Reasoning Can any negative integer be greater than a positive integer? Explain.

Kyle kept track of the number of points he scored each time he played a video game. Sometimes the score is less than zero.

Order the negative plays from least to greatest.

Order the positive plays from greatest to least.

Kyle's Scores	
Play 1:	Gained 5 points
Play 2:	Lost 15 points
Play 3:	Gained 32 points
Play 4:	Gained 10 points
Play 5:	Lost 12 points
Play 6:	Lost 8 points

Rational Numbers:

Use $<$, $>$, or $=$ to compare.

$$-0.2 \bigcirc -\frac{1}{4}$$

$$-2.5 \bigcirc -2\frac{1}{2}$$

$$-\frac{1}{2} \bigcirc -0.42$$

Order from least to greatest.

$$-\frac{6}{10}, \frac{4}{5}, \frac{7}{10}, 0.5, -\frac{4}{5}$$

$$-1.2, -5.3, 5.5, -1.5$$

Reasoning Explain why $\frac{4}{5}$ is a rational number but is not an integer.
