

August 15

LET'S TAKE SOME NOTES: REAL NUMBERS

Natural Numbers:

- Positive, Whole Numbers

Ex: 1, 3, 4, 25, 95, $24/12$, $36/3$

Whole Numbers:

- Natural Numbers + Zero

Ex: 0, 1, 6, 8, 35

LET'S TAKE SOME NOTES: REAL NUMBERS

Integers

- Whole Numbers and their opposites

Ex: 0, 1, 2, -14, 14, -2, -1

Rational Numbers

- Any number that can be written as a fraction, decimal, or percent.

Ex: 23%, $\frac{2}{3}$, 14.5

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LET'S TAKE SOME NOTES: OPPOSITES

Opposites

1. A number with the same distance from zero on the numberline, in the opposite direction.

Ex: (5) = The opposite of 5 is -5

(-5) = The opposite of -5 is 5

LET'S TAKE SOME NOTES: ABSOLUTE VALUE

Absolute Value

1. A number's distance from Zero.
2. Can **NEVER** be negative.

EX: $|5|$ = The absolute value of 5 is 5

$|-5|$ = The absolute value of -5 is 5

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LET'S TAKE SOME NOTES: ORDERING DECIMALS

Ordering Decimals

Greater Than >	Less Than <	Equal To =
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Step 1: Line up the decimals.

Step 2: Compare the numbers in each place value

Step 3: Use the correct symbol to compare the numbers **OR** place the numbers in the correct order.