

Welcome! Please get your ISN and have a seat!!

*Please complete the warm up in your  
Google classroom!*



Aug 15-9:58 AM

WWK: Page 7

whole numbers: natural numbers  
combined with zero  $\{0, 1, 2, 3, \dots\}$

Integers: a set of whole numbers  
combined with the negative natural  
numbers.

$\{\dots, -3, -2, -1, 0, 1, 2, 3, \dots\}$

Aug 15-10:13 AM

# TOC 17 Integers & Inequalities

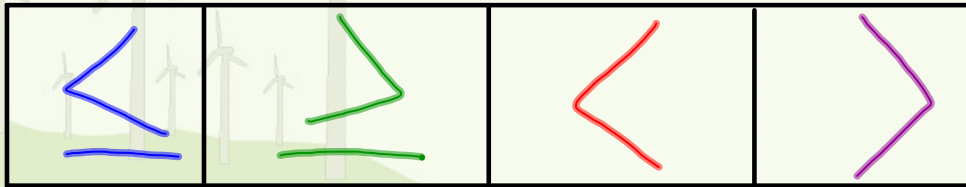
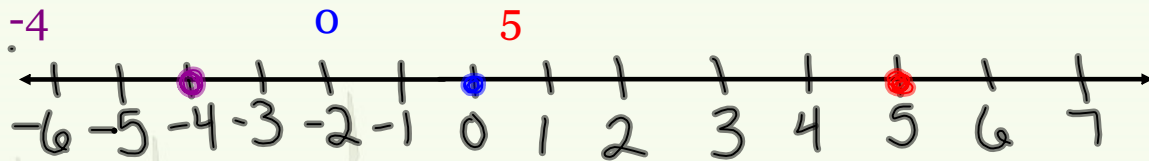
Positive (+)

(another name for N)

Negative (-)

\*Zero is neither +/-

## Graphing Integers on a Number Line



Aug 15-10:00 AM

$\leq$	$\geq$	$<$	$>$
<ul style="list-style-type: none"> <li>• less than or equal to</li> <li>• at most</li> <li>• no more than</li> </ul>	<ul style="list-style-type: none"> <li>• greater than or equal to</li> <li>• at least</li> </ul>	<ul style="list-style-type: none"> <li>• less than</li> <li>• fewer than</li> <li>• smaller</li> </ul>	<ul style="list-style-type: none"> <li>• greater than</li> <li>• more than</li> <li>• larger</li> </ul>

\*  $\neq$  is not equal to \*

\* Math sentence  $\rightarrow$  Words \*

$6 \geq -2 \rightarrow 6$  is greater than or equal to  $-2$

### Graphing Inequalities on a # line

$x < 1$

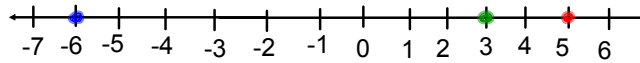
A number line with tick marks from -3 to 4. An open circle is drawn at 1. A red wavy arrow points to the left from the open circle.

●	○
$\leq$ or $\geq$	$<$ or $>$

Aug 15-10:26 AM

TOC Pg 18: Integers & Inequalities Examples

Ex 1: On a # line graph -6, 3, 5



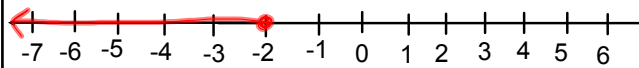
Ex 2: Insert either  $<$  or  $>$  between the integers to make the statement true

a)  $-7 < -1$                       b)  $-2 < 2$

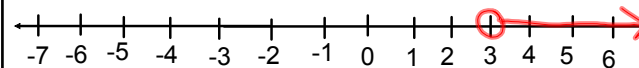
c)  $7 > 0$                               d)  $8 > -2$

Ex 3: Graph the following inequalities on a # line.

a)  $-2 \geq x$



b)  $x > 3$



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TOC: 19 Integers & Inequalities  
practice

txt: 211 # 1-12

Aug 15-4:39 PM