Create 3 expressions that are equivalent to $3\frac{1}{3}$

Do problems 1 - 4 on page 1 of your packet.

Opposites and Absolute Value

Essential Question: Compare opposites and absolute value. What is the same? What is different?

Vocabulary

Integers:
Set of whole numbers and their opposites.

Opposites:
Numbers that are the same distance from
0 on a number line, but on opposite sides of 0.
For example, 2 & -2

Absolute Value:
A number's distance from 0 on a number line.

Additive Inverse Property: a number plus it's opposite equals 0; $a + (-a) = 0$

Opposites

ex 1: -5

ex 2: 3

ex 3: -10

Find the opposite of 10

Find the opposite of -2

Find the opposite of 5

Find the opposite of -3

Find the opposite of 20

Complete problems 5 - 8

"_____ is the opposite of _____. I know this because ____ is _____ spaces to the right/left of zero, while it's opposite, ____ is _____ spaces in the opposite direction."

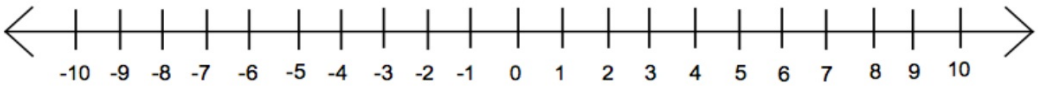
" I agree with _____, because _____."

"I disagree with _____, because ____."

Absolute Value

a numer's distance from zero on a number line

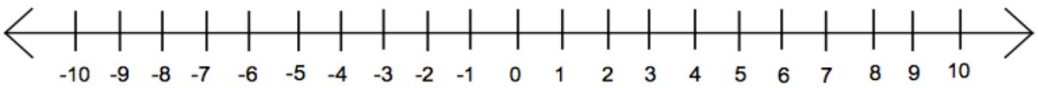
ex 4: | -5 |



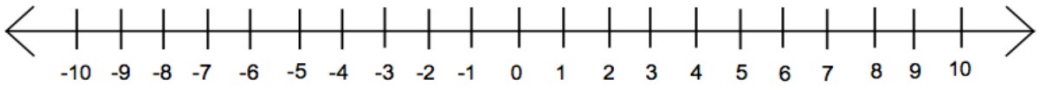
ex 5: | 4 |

ex 6: | -2 |

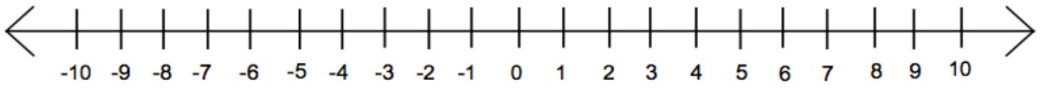
ex 7: | 3 |



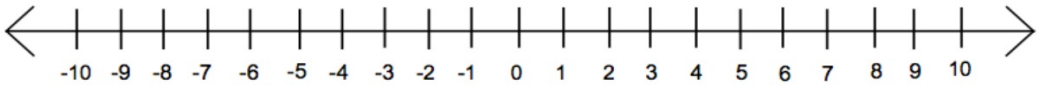
| -5 |



| 3 |



$|\ -4\ |$



| -6 |


| 1 |

| -20 |

| 15 |

| 0 |

Complete problems 9 -12 on page 1.

" _____ is the absolute value of _____, because it is _____ spaces away from zero."

Summary:

Both absolute value and opposite involve a number's distance from _____; however, _____ is always _____, while _____ can be _____ or _____.