

## Math Test #1 Review: Integers and Fractions

Your first math test will be on Friday, October 28<sup>th</sup>, 2021. Please make sure you have a writing utensil and a calculator that works (phones are not allowed).

Your test is on everything we have covered thus far. Below you will find a list of the topics we have covered to date (refer to notes for more detailed instructions and examples):

- Ordering and comparing integers:

← lesser in value

greater in value →



- Adding integers:

Same signs: Add numerals, keep sign

$$(+4) + (+5) = +9$$

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$$(-3) + (-4) = -7$$

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opposite signs: Take difference, keep sign you have more of

$$(+3) + (-7) = -4$$

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- Subtracting integers:

→ change to adding the opposite (KFC), then apply adding rules.

$$(-3) + (+8) = +5$$

$$(+7) + (-10) = -3$$

- Multiplying and dividing integers:

- multiply or divide numerals, apply sign rules.

Sign Rules

+ and + = +

- and - = +

+ and - = -

- and + = -

$$(+4)(-5) = -20$$

$$(-6)(-2) = +12$$

$$(-72) \div (8) = -9$$

$$\frac{42}{7} = 6$$

- Representing fractions pictorially:

$\frac{3}{4}$  ← how many parts we have.

4 ← how many equal parts we divide the whole into

= 1 whole      So,  $\frac{3}{4} =$