

# MATH A QUARTERLY

QUARTER 2

## What questions will we ask ourselves?

**Unit 2AB: Decimal Operations and Applications /  
Decimal and Fraction Connections and  
Applications**

**Unit 2CD: Fraction Operations and Applications /  
Fraction, Decimal, and Percent  
Connections and Applications**

- Why are specific units and tools used to measure different attributes?
- What determines a reasonable estimation for a given situation?
- What is the purpose of estimation?
- How can estimation skills and algorithms reinforce one another?
- How do operations with decimals compare to operations with whole numbers?
- How do operations with fractions compare to operations the whole numbers and decimals?
- What determines an appropriate representation of a number?

## Important Vocabulary

Estimate (Estimation)	Simplify	Expression
Equivalent	Denominator	Numerator
Improper Fraction	Mixed Number	Reciprocal
Equivalent	Rate	Ratio
Rational Number	Unit Rate	Proportion
Greatest Common Factor		
Least Common Multiple		

## Important Dates

Tuesday, November 15<sup>th</sup> – Unit 2AB End of Unit Assessment  
Tuesday, November 22<sup>nd</sup> – Unit 2AB End of Unit REASSESSMENT

## Why are we learning this?

**Unit 2AB: Decimal Operations and Applications / Decimal and Fraction  
Connections and Applications**

**Unit 2CD: Fraction Operations and Applications / Fraction, Decimal, and  
Percent Connections and Applications**

- To understand how to select standard measurement tools and units based on a real world situation.
- To understand how using estimation can produce approximate results.
- To understand that multiplication doesn't always result in a larger number and division doesn't always result in a smaller number.
- To understand how fractions, decimals, and percents can be used interchangeably.

## How will we learn these things?

**Unit 2AB: Decimal Operations and Applications / Decimal and Fraction  
Connections and Applications**

**Unit 2CD: Fraction Operations and Applications / Fraction, Decimal, and  
Percent Connections and Applications**

- By selecting tools and units to measure accurately in given situations.
- By comparing, converting, and estimating metric and customary units of measure.
- By using estimation and mental math to solve problems with fractions, decimals, and percents and explaining the reasoning involved.
- By computing with decimals, fractions, and mixed numbers and expressing answers in simplest terms.
- By determining equivalent ratios, decimals, and percents.
- By determining ratios, rates, and unit rates in the context of a problem.
- By comparing, ordering, and describing rational numbers in equivalent forms.

Friday, January 6<sup>th</sup> – Game Master Project Due  
Friday, January 20<sup>th</sup> – End of the 2<sup>nd</sup> Marking Period

**THANK YOU  
FOR YOUR  
SUPPORT!**