

# UNIT 1 - LESSON PLANS

**Class** Algebra 1    **Topic** U1 – Rational Numbers    **Lesson** 4    **Of** 11

## Objective

Students will:

- Define rational numbers.
- Determine whether a number is rational or irrational.
- Change fractions to decimals.
- Determine whether a decimal number is terminating or non-terminating, repeating or non-repeating.
- Change terminating decimals to fractions.
- Change non-terminating and repeating decimals to fractions.

## “I Can” Statement

I can define rational number.  
I can recognize if numbers are rational or not.  
I change fractions to decimals and vice versa.

## Common Core Standards

[CCSS.MATH.CONTENT.8.NS.A.1](#)

Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number.

[CCSS.MATH.CONTENT.HSA.SSE.B.3](#)

Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.\*

## Bell Work

See Bell Work 1-4

## Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

## Assessment

Bell Work 1-4  
Assignment 1-4  
Exit Quiz 1-4

**Additional Resources**    See Online Activities