

# UNIT 11- LESSON PLANS

**Class** Algebra 1    **Topic** U11 - Inverse Variation    **Lesson** 6    **Of** 7

## Objective

Students will:

- State and illustrate the principles of inverse variation; and
- Solve practical application involving the principles of inverse variation.

## "I Can" Statement

I can solve problems involving inverse variation.

## Common Core Standards

[CCSS.Math.Content.7.RP.A.1](#)

Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. *For example, if a person walks  $\frac{1}{2}$  mile in each  $\frac{1}{4}$  hour, compute the unit rate as the complex fraction  $\frac{1/2}{1/4}$  miles per hour, equivalently 2 miles per hour.*

[CCSS.Math.Content.7.RP.A.2.c](#)

Represent proportional relationships by equations. *For example, if total cost  $t$  is proportional to the number  $n$  of items purchased at a constant price  $p$ , the relationship between the total cost and the number of items can be expressed as  $t = pn$ .*

## Bell Work

See Bell Work 11- 6

## 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 11- 6  
Assignment 11- 6  
Exit Quiz 11- 6

## Additional Resources

See Online Activities