

# Story Problems with Linear Equations

SUBJECT	TEACHER	GRADE	DATE
Math		[00]	[Date]

## OVERVIEW

Create linear equation for story problems

PREREQUISITES	RESOURCES	NOTES
• Introduction to linear equations	• Whiteboard or Chalkboard	This can work to a segway to inequalities in a future lesson.

PHASES	TEACHER GUIDE	STUDENT GUIDE
OBJECTIVES	Learn the components of a linear equation	
OPENING	Students are divided into groups of sufficient size to facilitate one group situated around the room at a whiteboard or chalkboard	
STORY INVOLVING LINEAR EQUATION	Could be anything ... Needing to estimate how many years until public transportation has been saturated with users	
ACTIVITY	Students research what is needed: Population estimates, population projections, # of transportation users, etc. Projected users = population increase * years + peak tourism	Those at the board keep information written down. Then solve the equation. At first, a very guided solving with the facilitator solving first. At the end of the hour students at the board have solved one story
SUMMARY		Ability to apply story problems to linear equations