

Grade ____8____	Title of Lesson Text and Talk Plans
Common Core Standard	8.EE.7 Solve linear equations in one variable. 8.EE.7b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms. 8.EE.8 Analyze and solve pairs of simultaneous linear equations. 8.EE.8a Understand that solutions to a system of two linear equations in two variables correspond to points of intersections of their graphs, because points of intersection satisfy both equations simultaneously. 8.EE.8b Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection.
1. Shared event: What might be the introduction to the task and description of the task the students will be experiencing?	Students will be given the information for two text/talk plans and be asked to compare them. Talk & Text Plan A: charges 5 cents a minute and twenty dollars for 250 texts Talk & Text Plan B: charges 10 cents a minute (first 100 minutes free) and fifteen dollars for 200 texts. Will the two plans ever share the same cost? Is one better than another? Which plan would you want?
2. Picture or model: What types of pictures might you see?	
3. People-talk: What do we think students are going to say about the shared experience?	
4. Feature-talk: What terms, ideas, comments, do you think the students will bring out and what are the mathematical ideas you hope to flush out?	
5. Symbolic representation: What are some possible symbolic representations that may result from the feature talk?	
Materials needed:	

Math Literacy Initiative

Terri Bucci, Co-Director

Lee McEwan, Co-Director

Mrs. Meg Strong, Program Coordinator

Mike Mikusa, Specialist



**THE OHIO STATE
UNIVERSITY**

MANSFIELD