

UPPER CUMBERLAND MIDDLE SCHOOL MATH PARTNERSHIP

SESSION # 19 OUTLINE

TITLE: Relate features of linear tables to graphs

INSTRUCTOR: Sheryl Webb

STANDARDS:

GRADE LEVEL EXPECTATIONS:

GLE 0706.3.2 Understand and compare various representations of relations and functions.

GLE 0806.3.4 Translate among verbal, tabular, graphical and algebraic representations of linear functions.

CHECKS FOR UNDERSTANDING:

✓ 0706.3.11 Relate the features of a linear equation to a table and/or graph of the equation.

SPI's:

SPI 0706.1.3 Recognize whether information given in a table, graph, or formula suggests a directly proportional, linear, inversely proportional, or other nonlinear relationship.

SPI 0806.3.4 Translate between various representations of a linear function.

ACTIVITIES: Participants will write equations and graph the equations for the information given in the Rent a Car activity. They will then answer questions relating the graphs, tables and equations in the activity.

INSTRUCTIONAL STRATEGIES MODELED:

The instructor will provide instructions and assist participants as they complete the Rent a Car activity. The instructor will then lead discussion about the results of the activity.

TECHNOLOGY/MATERIALS USED:

TI-84 graphing calculator/SmartView, laptop, internet, projector

WEBSITES:

<http://math.rice.edu/~lanius/Algebra/rentacar.html>

HANDOUTS ATTACHED: