

Fourth Grade Math Tutorial Activity

Objectives: Write and solve meaningful, multi-step problems involving money, elapsed time, and temperature; verify reasonableness of answers; 1.18 – Solve multi-step problems.

Materials: Worksheets and teaching guide (**Worksheets: Snoozer, Pulsations, Hums, Speed Trap, Family Reunion Picnic, Answer Key**), graph paper, pencil, calculator

Procedure:

Introduction: Ask the student if he/she knows what a rate is. Allow the student to share what he/she knows before moving on to the tutor's explanation of rates.

A rate is an expression of a comparison by division of quantities with different units. Miles per hour is an example of rate. (Ex: A car travels 150 miles in 3 hours. Its average speed is 150 miles/3hours, which equals 50 miles per hour.) Heart rate is another example of rate. It is expressed as beats per second.

(Note: the tutor may refer to the included sheets with definitions of rates if needed.)

Ask the student to think of other ways he/she has seen or used rates. (miles/gallon for gas mileage, words/minute for typing)

Practice: The student will work on the worksheets that are included. (It is not necessary to complete all of the worksheets.) ***Before starting work on the worksheets, write down the time you start working. After you finish working, note the time that you stop working.

Closure: The tutor and student should work together to figure out the rate at which the student completed the worksheets. (Your rate should be expressed as minutes/worksheet.)