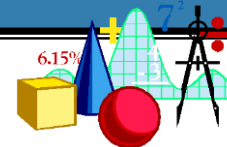


Mathematics, Grade 8

Unit VIII: Lesson 4

Graph / Table: **Experiment in Speed**



Review ratios and proportions. Study inverse proportions.

Select a movement such as walking, running, bicycling, or driving. Experiment with time, distance and speed. Repeat each experiment at least five times to get an average. Repeat the experiment now changing one variable, either the time, distance, or speed. Record your data and arrange it in a table. Repeat the experiment again, changing another variable. Make a graph of the data.

Show your graphs and tables to the class. Describe your experiment and explain how time, distance, and speed are inversely proportionate.