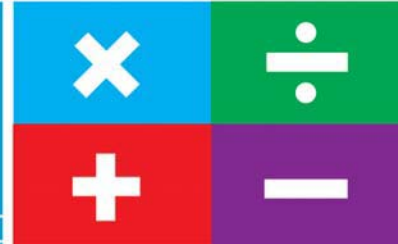


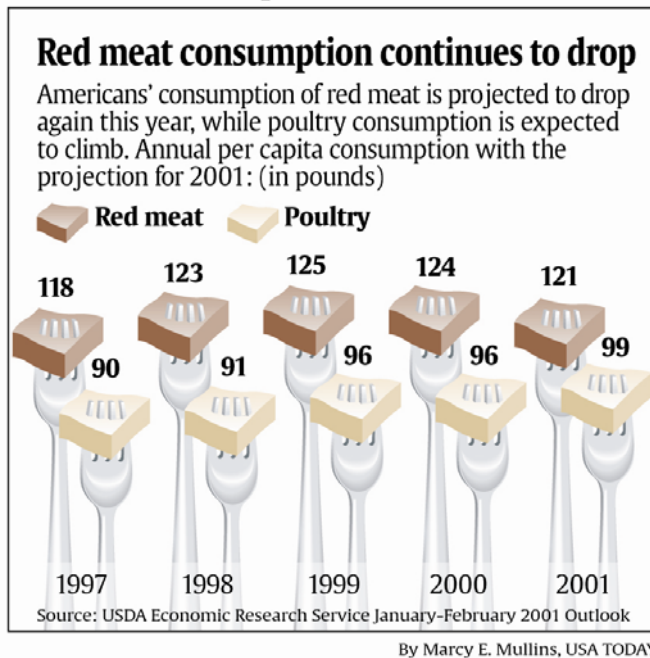
MATH TODAY™ Student Edition



Activity 9:

Red meat consumption continues to drop

USA TODAY Snapshots®



Focus Questions:

- Q. If the trend in the data seen in the Snapshot, "Red meat consumption continues to drop" continues, when will the annual per capita consumption of poultry equal the annual per capita consumption of red meat?
- Q. Explain why the y-intercept of the regression models will not have meaning in the consumption per capita-year context.
- Q. According to the USA TODAY Snapshot, "Red meat consumption continues to drop" when will poultry consumption per capita reach the maximum consumption per capita that red meat did during this time period?

Activity Overview:

This activity will look at the annual per capita consumption of red meat and poultry for the years 1997 through 2001. You will explore which mathematical model will best fit the data set and then create the two mathematical models, one for red meat consumption and another for poultry consumption, for the time period shown in the USA TODAY Snapshot, "Red meat consumption continues to drop." These models will be used as a system of equations to predict what is expected to happen, according to the data, if the trend continues.

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Classroom Learning System