PEN International
Visitors from Vietnam
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Mathematics Examples
For Discussion

Modeling Percents

Our department spends about 20% of its supply budget on paper. Our supply budget is $800. How much do we spend on paper?

Modeling Percents

Our Paper costs for the department last year were $800. The cost of paper is increasing by 8% this year. How much can we expect to spend for paper this year if we use the same amount of paper as last year?

Communicating about Relationships

Carl is 150 cm tall. John is 200 cm tall. Write as many comparative sentences as you can using this information.

What does it mean?

Graph the function y = 2x + 1.

- Write an explanation of what the graph represents.
- Is the point (100, 201) on the graph? How do you know?

Estimation of Percentages

80% of 20 is   a) more than 20
                              b) equal to 20
                              c) less than 20

100% of 35 is   a) more than 35
                              b) equal to 35
                              c) less than 35

15% of 15 is   a) more than 15
                              b) equal to 15
                              c) less than 15

110% of 245 is a) more than 245
                              b) equal to 245
                              c) less than 245

Sketching

A student walks 2 km west until he reaches the library and then continues 3 km north until he reaches the market. Sketch the situation.

Sketching

Maria lives 30 miles from her friend Tanya. If Maria drives 3/5 of the way to Tanya's house, how much farther must she drive before she arrives at Tanya's?

This problem can be modified to provide the distance remaining while asking for the total, or asking for the amount already driven. "The whole is equal to the sum of its parts".