Unit 4 Lesson 16: Posing Percentage Problems

1 Sorting the News (Warm up)

Student Task Statement

Your teacher will give you a variety of news clippings that include percentages.

1. Sort the clippings into two piles: those that are about increases and those that are about decreases.

2. Were there any clippings that you had trouble deciding which pile they should go in?

2 Investigating

Student Task Statement

In the previous activity, you sorted news clippings into two piles.

1. For each pile, choose one example. Draw a diagram that shows how percentages are being used to describe the situation.

    a. Increase Example:

    b. Decrease Example:

2. For each example, write *two* questions that you can answer with the given information. Next, find the answers. Explain or show your reasoning.

3 Displaying the News

Student Task Statement

1. Choose the example that you find the most interesting. Create a visual display that includes:

   - a title that describes the situation
   - the news clipping
   - your diagram of the situation
   - the two questions you asked about the situation
   - the answers to each of your questions
   - an explanation of how you calculated each answer

   Pause here so your teacher can review your work.

2. Examine each display. Write one comment and one question for the group.

3. Next, read the comments and questions your classmates wrote for your group. Revise your display using the feedback from your classmates.