

Culminating Project: Percent Increase/Decrease in a Mini Business

Name: _____ Date: _____

LEARNING OBJECTIVE

Student will be able to calculate percent increase and decrease to model pricing decisions for a simple imaginary product business.

MATERIALS NEEDED

- Paper
- pencil
- calculator
- poster board or a folded sheet of paper
- markers or colored pencils

HANDS-ON ACTIVITY

1. Invent a simple product to 'sell' (e.g., friendship bracelets, cookies, lemonade) and set an original price.
2. Calculate the cost to make each item is going up — apply a percent increase (you choose, e.g., 15%) to your cost and recalculate your new price to maintain profit.
3. Later in the 'season,' decide to run a promotion — apply a percent decrease (you choose, e.g., 20%) to your new price and calculate the sale price.
4. On poster board, create a simple pricing timeline showing Original Price → Price After Increase → Sale Price, with your math shown for each step.
5. Calculate your overall percent change from the very original price to the final sale price (this may not simply be increase % minus decrease %).

QUESTIONS

1. What was your original price, and what was the new price after your percent increase?

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2. What was your sale price after applying the percent decrease to the increased price?
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3. What is the overall percent change from your very first original price to the final sale price? Is it a net increase or decrease?

4. Explain why a 15% increase followed by a 20% decrease does NOT simply equal a 5% decrease overall.
