

Glencoe Curriculum Portfolio Activities—Unit 5



Math 1

Compute percentages and percentage differences. Write a business letter using proper formatting and style.

Your neighborhood market is close and convenient. The prices of certain items, however, are much higher than at a larger supermarket, which is located 5 miles away from your home. Customers travel to the larger supermarket to purchase these items, rather than pay the higher prices at the local market.

Write a letter to the owners of the local market recommending that they lower the prices of these items. The current prices of these items are listed below. In your letter, compute and tell the percentage difference in price for each item between the supermarket and the local market. In your letter, tell the local store owners that they could charge 10% more than the supermarket, retain their customers, and make a profit. Compute the prices at 10% more than the supermarket prices and state them in your letter.

To review methods for computing percentages and percentage differences, refer to *Glencoe Mathematics: Applications and Connections, Course 1*.

Item	Price at Local market	Price at Supermarket
Butter	\$4.00/pound	\$2.00/pound
Milk	\$5.00/gallon	\$3.50/gallon
Bread	\$2.50/loaf	\$1.50/loaf
Eggs	\$3.00/dozen	\$2.50/dozen
Coffee	\$7.50/can	\$5.00/can

Be sure to format your letter correctly and include a return address. Key your letter into a word processor. Spell-check, edit, and proofread your letter. You may wish to present your calculations in a tabular format to reinforce the information in your letter.

Resource:

Glencoe Mathematics: Applications and Connections, Course 1, pp.334-344

Topic: Percents and percentages