

LESSON
6-6 **Practice A**
Percent of Change

Complete the table.

	Problem	Amount of Change	Original Amount	% of Change
1.	25 is decreased to 17			
2.	24 is increased to 36			
3.	50 is decreased to 40			
4.	40 is increased to 56			

Find each percent of change. Round answers to the nearest tenth, if necessary.

5. 60 is decreased to 15 _____
6. 15 is increased to 21 _____
7. 12 is increased to 48 _____
8. 100 is decreased to 25 _____
9. 60 is decreased to 40 _____
10. 80 is increased to 152 _____
11. 15 is increased to 24 _____
12. 72 is decreased to 64 _____
13. The Big Bike Shop has in-line skates on sale for 15% off the regular price. A pair of in-line skates usually costs \$89. Find the amount of the discount and the sale price.
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14. In 1935, there were 15,295 banks in the United States. In 2003, there were 9,182 banks. What is the percent of change? Is it a percent increase or decrease?
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15. A jewelry store is having a going-out-of-business sale. All merchandise is marked 40% off the regular price. The regular price of a watch is \$59.95. Find the amount of the discount and the sale price.
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16. Last year, there were 381 students at Woodland Middle School. This year, there are 419 students. What is the percent of change? Is it a percent increase or decrease?
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A Special Promotion

Krystal just started working at a fast-food restaurant. Along with learning how to do her job, she also learned about percents of increase and decrease. Solve the problems. If necessary, round your answers to the nearest percent.



1 The manager of the restaurant where Krystal works is planning a big promotion. He plans to lower the price of hamburgers from \$2.19 each to \$1.79. What is the percent of decrease in the price of hamburgers?

On the first day of the promotion, \$635.45 worth of hamburgers were sold. How many hamburgers were sold?

2 Usually about 320 medium sodas are sold between 11:00 A.M. and 2:00 P.M. on the weekend (Saturday and Sunday). During the promotion, 410 sodas were sold these two days. What was the percent of increase?

During the promotion, about how many sodas were sold per hour between 11:00 A.M. and 2:00 P.M. on both days of the weekend? (Round your answer to the nearest whole number.)

3 On the first day of the promotion, the number of chicken sandwiches decreased from 110 to 80. What is the percent of decrease?

If a chicken sandwich sells for \$2.49, what is the percent of decrease of the total sales of these sandwiches?

4 Krystal was hired at a wage of \$6.50 per hour. She worked 10 hours during the promotion. How much did she earn?

Her boss gave her a \$10 bonus. What percent of her earnings was the bonus?

Krystal was later given a \$0.50 increase in her hourly wage. What was the percent of increase in her hourly wage?

5 An accountant analyzed sales at the restaurant during the promotion. He said that 2 out of every 3 people who came into the restaurant bought at least 1 hamburger. Krystal concluded that the number of hamburgers sold increased 50%. How do you think she decided this? Do you agree or disagree? Explain your answer on the back of this page.