

Name: _____ Date: _____ Period: _____

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2. Johnson Middle School had 240 students last year. This year, there are 192 students. Find the percent of change. State whether this percent of change is an *increase* or a *decrease*.

3. Shirts bought by a sporting goods store cost them \$20 per shirt. They want to mark them up 40%. What will be the selling price?

4. A computer usually sells for \$1,200. This week it is on sale for 30% off. What is the sale price?

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Setup and solve each problem.

9. What percent of 126 is 22?

10. 81 is 56% of what?

11. 25.7 is what percent of 141?

12. 17% of what is 156?

13. 46 is what percent of 107?

14. 79.9 is 99% of what?

15. 62% of what is 89.3?

16. What percent of 137.4 is 96?

17. 30% of 117 is what?

18. 11 is what percent of 97?

19. 120% of 118 is what?

20. 25 is what percent of 37?

21. What is 270% of 60?

22. 73% of what is 156.4?

23. 87% of 41 is what?

24. 9 is what percent of 84?

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1. A student earned a grade of 80% on a math test that had 20 problems. How many problems on this test did the student answer correctly?

2. There are 36 carpenters in a crew. On a certain day, 29 were present. What percent showed up for work?

3. A metal bar weighs 8.15 ounces. 93% of the bar is silver. How many ounces of silver are in the bar?

4. A woman put \$580 into a savings account for one year. The rate of interest on the account was 6½%. How much was the interest for the year in dollars and cents?

5. Manuel found a wrecked Trans-Am that he could fix. He bought the car for 65% of the original price of \$7200. What did he pay for the car?

6. Pamela bought an electric drill at 85% of the regular price. She paid \$32.89 for the drill. What was the regular price?

8. A crew is made up of 8 men; the rest are women. 66.32 % of the crew are men. How many people are in the crew?

9. Ben earns \$12,800 a year. About 15% is taken out for taxes. How much is taken out for taxes?

10. If the price of a purse increased from \$45 to \$54, what was the percent of increase?

11. If the price of a softball glove decreased from \$60 to \$36, what was the percent of decrease?

12. Mary decreased her time in the mile walk from 30 minutes to 24 minutes. What was the percent of decrease?

13. A DVD movie originally cost \$24.99. Its current price is \$19.99. What is the percent of change rounded to the nearest percent?

14. A hat's price rose from \$9.99 to \$12.99. What was the percent of change rounded to the nearest percent?

15. Tom's weekly salary increased from \$240 to \$288. What was the percent of change?

16. Kate had \$2,251.35 in her bank account. Currently, she has \$1,975.86 in her account. Find the percent of change rounded to the nearest percent.

17. A car dealer raised the price of a car from \$10,500 to \$11,000. What was the percent of change?

18. In 1986 the average price of a gallon of gasoline was \$0.93 cents. In 2007 the average price of a gallon of gasoline was \$2.77. Find the percent of change.