Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_

**1.  The Nietos bought a house several years ago for $120,000.  This year, they sold it for $150,000.  Find the percent of increase.**

**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?**