LESSON 3-2	**Percent Increase and Decrease**

Practice and Problem Solving: A/B

Find each percent increase. Round to the nearest percent.

1. From 24 teachers to 30 teachers _____

2. From $18 to $45 _____

3. From 75 pencils to 225 pencils _____

4. From $65 to $144 _____

5. From 42 acres to 72 acres _____

6. From 95 trees to 145 trees _____

Find each percent decrease. Round to the nearest percent.

7. From 20 miles to 11 miles _____

8. From $16 to $4 _____

9. From 126 ounces to 48 ounces _____

10. From 84 seconds to 8 seconds _____

11. From 90 apples to 75 apples _____

12. From 248 workers to 200 workers _____

Given the original amount and the percent of change, find the new amount.

13. $25; 300% increase _____

14. 160 bananas; 20% decrease _____

15. 56 books; 75% decrease _____

16. 52 companies; 25% increase _____

17. 12,000 miles; 5% increase _____

18. 710 points; 10% decrease _____

Solve.

19. Last year, there were 380 students at Woodland Middle School. This year, the student population will increase by 5%. What will be the school's increased student population?

_____

20. A backpack that normally sells for $39 is on sale for 33% off. Find the amount of the discount and the sale price.

_____

21. In August, the Simons' water bill was $48. In September, it was 15% lower. What was the Simons' water bill in September?

_____

22. A gallery owner purchased a very old painting for $3,000. The painting sells at a 325% increase in price. What is the retail price of the painting?

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