Chapter 6 Practice Test

Write the percent as a decimal.

1. 66.7%

2. 0.1%

3. Thursday afternoon between 4:00 and 5:00 you spend $\frac{1}{4}$ of the hour reading email, 0.4 hour doing homework, and 35% of the hour doing chores. Write the tasks in order from least amount of time to greatest.

Find the missing value.

4. 35% of what number is 21?

5. 70 is what percent of 56?

6. 17 is what percent of 68?

7. What number is 16% of 80?

Identify the percent of change as an *increase* or *decrease*. Then find the percent of change. Round to the nearest tenth of a percent, if necessary.

8. 15 books to 21 books

9. 60 cars to 24 cars

Use the percent of change to find the new amount.

10. $84 increased by 12%

11. 820 brushes decreased by 25%

Find the original price, discount, sale price, or selling price.

12. Original price: $82
Discount: 10%
Sale price: ?

13. Original price: $125
Discount: ?
Sale price: $81.25

14. Original price: ?
Discount: 36%
Sale price: $32

15. Cost to store: $32
Markup: 16%
Selling price: ?

An account earns annual simple interest. Find the interest earned, principal, interest rate, or time.

16. Interest earned: $84
Principal: $600
Interest rate: 7%
Time: ?

17. Interest earned: ?
Principal: $1250
Interest rate: 3%
Time: 4 years

18. Interest earned: $39.60
Principal: ?
Interest rate: 11%
Time: 6 months

19. Interest earned: $3250
Principal: $5000
Interest rate: ?
Time: 10 years

An account earns annual simple interest. Find the balance of the account.

20. $250 at 4% for 1 year

21. $2000 at 9% for 6 months

22. The percent of sales tax is 6%. What is the sales tax on a skateboard that costs $98?

23. The price of your favorite brand of jeans was $35 last month. This month the price is $42. What is the percent of change from last month to this month?

24. You are shopping for a cell phone. At which store should you buy the cell phone? Explain your answer.

Store	Original Price	Discount
A	$129	30%
B	$135	35%
C	$150	40%