Name_____ Date _____

Skills Review Percents

Write and solve a proportion to answer the question.

   1. 35% of what number is 21?   **2.** 70 is what percent of 56?

   3. 17 is what percent of 68?   **4.** What number is 16% of 80?

5. On Tuesday fifteen percent of the students at JP Case were absent. The school has 12,000 students enrolled. How many students were absent on Tuesday?

6. After polling his chemistry class, Mr. Anderson discovered 21 of his 24 students were also enrolled in physics class. What percent of the students were *not enrolled* in physics class?

7. The first lap of an auto race is 2000 meters. This is 5% of the total race distance. What is the total race distance?

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. Use a proportion

8. 15 books to 21 books

9. 60 cars to 24 cars

Use the percent of change to find the new amount. Use a proportion.

10. $84 increased by 12%

11. 820 brushes decreased by 25%

Find the original price, discount, sale price, or selling price. Write a proportion and solve.

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: ?

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

17. 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?

An account earns annual simple interest. Find the interest earned, principal, interest rate, or time. $I = Prt$

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

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

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

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

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

22. $250 at 4% for 1 year

23. $2000 at 9% for 6 months

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

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