Percent and Ratio Practice Questions

1. If a discount of 20% off the retail price of a desk saves Mark $45, how much did he pay for the desk?

A. $145
B. $160
C. $180
D. $210
E. $215

2. A customer pays $1,100 in state taxes on a newly purchased car. What is the value of the car if state taxes are 8.9% of the value?

A. $9.765.45
B. $10,876.90
C. $12,359.55
D. $14,345.48
E. $15,745.45

3. How many years does Steven need to invest his $3,000 at 7% to earn $210 in simple interest?

A. 1 year
B. 2 years
C. 3 years
D. 4 years
E. 5 years

4. Sabrina's boss states that she will increase Sabrina's salary from $12,000 to $14,000 per year if she enrolls in business courses at a local community college. What percent increase in salary will result from Sabrina taking the business courses?

A. 15%
B. 16.7%
C. 17.2%
D. 85%
E. 117%

5. 35% of what number is 70?

A. 100
B. 110
C. 150
D. 175
E. 200

6. What number is 5% of 2000?

A. 50
B. 100
C. 150

D. 200
E. 250

7. What percent of 90 is 27?

A. 15%
B. 20%
C. 30%
D. 33%
E. 41%

8. Jim works for $15.50 per hour for a health care facility. He is supposed to get a 75 cent per hour raise at one year of service. What will his percent increase in hourly pay be?

A. 2.7%
B. 3.3%
C. 133%
D. 4.8%
E. 105%

9. If 45 is 120% of a number, what is 80% of the same number?

A. 30
B. 32
C. 36
D. 38
E. 41

10. How long will Lucy have to wait before her $2,500 invested at 6% earns $600 in simple interest?

A. 2 years
B. 3 years
C. 4 years
D. 5 years
E. 6 years

11. What is 35% of a number if 12 is 15% of a number?

A. 5
B. 12
C. 28
D. 33
E. 62

12. A computer is on sale for $1600, which is a 20% discount off the regular price. What is the regular price?

A. $1800
B. $1900
C. $2000
D. $2100
E. $2200

13. A car dealer sells a SUV for $39,000, which represents a 25% markup over the dealer's cost. What was the cost of the SUV to the dealer?

A. $29,250
B. $31,200
C. $32,500
D. $33,800
E. $33,999

14. After having to pay increased income taxes this year, Edmond has to sell his BMW. Edmond bought the car for $49,000, but he sold it for a 20% loss. What did Edmond sell the car for?

A. $24,200
B. $28,900
C. $35,600
D. $37,300
E. $39,200

15. At a company fish fry, ½ in attendance are employees. Employees' spouses are 1/3 of the attendance. What is the percentage of the people in attendance who are not employees or employee spouses?

A. 10.5%
B. 16.7%
C. 25%
D. 32.3%
E. 38%

16. If 6 is 24% of a number, what is 40% of the same number

A. 8
B. 10
C. 15
D. 20
E. 25

17. 25% of 400 =

A. 100
B. 200
C. 800
D. 10,000
E. 12,000

18. 22% of $900 =

A. 90
B. 198
C. 250
D. 325
E. 375

19. Which of the following percentages is equal to 0.45?

A. 0.045%
B. 0.45%
C. 4.5%
D. 45%
E. 0.0045%

20. Which of these percentages equals 1.25?

A. 0.125%
B. 12.5%
C. 125%
D. 1250%
E. 1250.5%