1. By the end of the school year, Terry had passed 80% of his science tests. If Terry failed 4 science tests, how many science tests did Terry pass?

    (A) 12
    (B) 15
    (C) 16
    (D) 18

2. A soccer team has played 25 games and has won 60% of the games it has played. What is the minimum number of additional games the team must win in order to finish the season winning 80% of the games it has played?

    (A) 28
    (B) 25
    (C) 21
    (D) 18

3. In a movie theater, 480 of the 500 seats were occupied. What percent of the seats were NOT occupied?

    (A) 0.4%
    (B) 2%
    (C) 4%
    (D) 20%

4. In a certain mathematics class, the part of the class that are members of the math club is 50% of the rest of that class. The total number of math club members in this class is what percent of the entire class?

    (A) 20%
    (B) 25%
    (C) $33\frac{1}{3}$%
    (D) 50%

5. After 2 months on a diet, John's weight dropped from 168 pounds to 147 pounds. By what percent did John's weight drop?

    (A) $12\frac{1}{2}$%
    (B) $14\frac{2}{7}$%
    (C) 21%
    (D) 25%

6. If 1 cup of milk is added to a 3-cup mixture that is $\frac{2}{5}$ flour and $\frac{3}{5}$ milk, what percent of the 4-cup mixture is milk?

(A) 80%
(B) 75%
(C) 70%
(D) 65%

7. If the result of increasing a by 300% of a is b, then a is what percent of b?

(A) 20%
(B) 25%
(C) $33\frac{1}{3}$%
(D) 40%

8. After a 20% increase, the new price of a radio is $78.00. What was the original price of the radio?

(A) $15.60
(B) $60.00
(C) $62.40
(D) $65.00

9. After a discount of 15%, the price of a shirt is $51. What was the original price of the shirt?

(A) $44.35
(B) $58.65
(C) $60.00
(D) $64.00

10. Three students use a computer for a total of 3 hours. If the first student uses the computer 28% of the total time, and the second student uses the computer 52% of the total time, how many minutes does the third student use the computer?

(A) 24
(B) 30
(C) 36
(D) 42

11. In an opinion poll of 50 men and 40 women, 70% of the men and 25% of the women said that they preferred fiction to nonfiction books. What percent of the number of people polled preferred to read fiction?

(A) 40%
(B) 45%
(C) 50%
(D) 60%

12. In a factory that manufactures light bulbs, 0.04% of all light bulbs manufactured are defective. On the average, there will be three defective light bulbs out of how many manufactured?

(A) 2,500
(B) 5,000
(C) 7,500
(D) 10,000

13. A used-car lot has 4-door sedans, 2-door sedans, sports cars, vans, and jeeps. Of these vehicles, 40% are 4-door sedans, 25% are 2-door sedans, 20% are sports cars, 10% are vans, and 20 of the vehicles are jeeps. If this car lot has no other vehicles, how many vehicles are on the used-car lot?

    (A) 300
    (B) 400
    (C) 480
    (D) 600

14. Jack's weight first increased by 20% and then his new weight decreased by 25%. His final weight is what percent of his beginning weight?

    (A) 95%
    (B) 92.5%
    (C) 90%
    (D) 88.5%

15. The price of a stock falls 25%. By what percent of the new price must the stock price rise in order to reach its original value?

    (A) 25%
    (B) 30%
    (C) $33\frac{1}{3}\%$
    (D) 40%

VOTING POLL	
Candidate A	30%
Candidate B	50%
Undecided	20%

16. The table above summarizes the results of an election poll in which 4,000 voters participated. In the actual election, all 4,000 of these people voted, and those people who chose a candidate in the poll voted for that candidate. People who were undecided voted for candidate A in the same proportion as the people who cast votes for candidates in the poll. Of the people polled, how many voted for candidate A in the actual election?

    (A) 1,420
    (B) 1,500
    (C) 1,640
    (D) 1,680

17. A car starts a trip with 20 gallons of gas in its tank. The car traveled at an average speed of 65 miles per hour for 3 hours and consumed gas at a rate of 30 miles per gallon. What percent of the gas in the tank was used for the 3-hour trip?

    (A) 32.5
    (B) 33.0
    (C) 33.5
    (D) 34.0

1. A store offers a 4% discount if a consumer pays cash rather than paying by credit card. If the cash price of an item is $84.00, what is the credit-card purchase price of the same item?

2. During course registration, 28 students enroll in a certain college class. After three boys are dropped from the class, 44% of the class consists of boys. What percent of the original class did girls comprise?

3. A high school tennis team is scheduled to play 28 matches. If the team wins 60% of the first 15 matches, how many additional matches must the team win in order to finish the season winning 75% of its scheduled matches?

4. In a club of 35 boys and 28 girls, 80% of the boys and 25% of the girls have been members for more than 2 years. If n percent of the club have been members for more than 2 years, what is the value of n?