Consumer Math: Percentages Worksheet

Consumer Math and Percentages

Percentages are used every day when shopping, calculating sales tax, leaving tips, earning interest, and finding discounts. Use the information provided to solve each problem.

Part A: Discounts and Sale Prices - Find the amount of the discount and the sale price.

Formula:

Discount = Original Price × Percent Discount

Sale Price = Original Price – Discount

1. A jacket costs $80 and is on sale for 25% off.

   Discount: $_____ Sale Price: $_____

2. A video game costs $60 and is on sale for 15% off.

   Discount: $_____ Sale Price: $_____

3. A bicycle costs $250 and is discounted by 20%.

   Discount: $_____ Sale Price: $_____

4. A backpack costs $45 and is discounted by 10%.

   Discount: $_____ Sale Price: $_____

5. A television costs $500 and is discounted by 30%.

   Discount: $_____ Sale Price: $_____

Part B: Sales Tax - Find the sales tax and total cost.

Formula:

Sales Tax = Price × Tax Rate

Total Cost = Price + Sales Tax

6. A pair of shoes costs $70. Sales tax is 8%.

   Sales Tax: $_____ Total Cost: $_____

7. A phone case costs $25. Sales tax is 7%.

   Sales Tax: $_____ Total Cost: $_____

8. A laptop costs $800. Sales tax is 6%.

   Sales Tax: $_____ Total Cost: $_____

9. A desk costs $120. Sales tax is 9%.

   Sales Tax: $_____ Total Cost: $_____

10. A gaming console costs $300. Sales tax is 5%.

    Sales Tax: $_____ Total Cost: $_____

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Part C: Tips - Find the tip amount and total bill.

11. Restaurant bill: $40 | Tip: 15%

    Tip Amount: $_____ Total Bill: $_____

12. Restaurant bill: $55 | Tip: 20%

    Tip Amount: $_____ Total Bill: $_____

13. Restaurant bill: $72 | Tip: 18%

    Tip Amount: $_____ Total Bill: $_____

14. Restaurant bill: $30 | Tip: 25%

    Tip Amount: $_____ Total Bill: $_____

15. Restaurant bill: $90 | Tip: 15%

    Tip Amount: $_____ Total Bill: $_____

Part D: Interest - Find the simple interest earned.

Formula:

Interest = Principal × Rate × Time

16. $500 invested at 4% for 1 year.

    Interest: $_____

17. $1,000 invested at 5% for 2 years.

    Interest: $_____

18. $800 invested at 3% for 3 years.

    Interest: $_____

19. $2,000 invested at 6% for 1 year.

    Interest: $_____

20. $1,500 invested at 4% for 2 years.

    Interest: $_____

Part E: Real-Life Consumer Math Problems

21. A $120 jacket is marked down by 25%. What is the sale price?

    Sales Price: $_____

22. A customer buys a $45 item and pays 8% sales tax. What is the total cost?

    Total Cost: $_____

23. A family spends $80 at a restaurant and leaves a 20% tip. How much is the tip?

    Tip: $_____

24. A savings account contains $2,500 and earns 4% interest for one year. How much interest is earned?

    Earned Interest: $_____

25. A television originally costs $900 and is discounted by 15%. What is the sale price?

    Sales Price: $_____

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