# 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.

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**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: $_____

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**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: $_____

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**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: $_____

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**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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