

Discount, Tax, and Tip

Name: _____ Date: _____ Score: _____ / 18

Quick Review and Helpful Hints

A discount, tax, or tip is a *percent of the price*. Change the percent to a decimal and multiply by the price to get the amount. For a final price, *subtract* a discount or *add* tax or a tip. A shortcut for a total with tax/tip is to multiply the price by $(1 + \text{rate})$.

▷ **Example:** A \$50 item has 8% sales tax. Find the tax and the total.

Work: Tax is 8% of \$50: $0.08 \times 50 = 4$. The total adds it on: $50 + 4$.

★ **Answer:** tax \$4, total \$54

8% of \$50

= \$4 tax

Multiply the percent by the price.

Practice Problems

Find each amount or final price.

- | | |
|--|---|
| <p>1. 10% tax on \$20 _____</p> <p>2. 25% discount on \$80 _____</p> <p>3. 15% tip on \$40 _____</p> <p>4. 8% tax on \$50 _____</p> <p>5. 20% discount on \$60 _____</p> <p>6. 5% tax on \$200 _____</p> <p>7. 18% tip on \$50 _____</p> | <p>8. 30% discount on \$90 _____</p> <p>9. Final price: \$40 with 10% off _____</p> <p>10. Final price: \$25 with 8% tax _____</p> <p>11. 50% discount on \$48 _____</p> <p>12. 20% tip on \$35 _____</p> <p>13. Final price: \$80 with 25% off _____</p> <p>14. Final price: \$100 with 6% tax _____</p> |
|--|---|

Word Problems

15. A \$120 jacket is 25% off. What is the sale price? _____
16. A \$60 restaurant meal gets a 20% tip. How much is the tip? _____
17. A \$200 TV has 7% sales tax. What is the total cost? _____
18. A \$45 item is 10% off. What is the final price? _____



Answer Keys

- | | | |
|--|---|--|
| 1. <input type="text" value="\$2"/> | 7. <input type="text" value="\$9"/> | 13. <input type="text" value="\$60"/> |
| 2. <input type="text" value="\$20 off"/> | 8. <input type="text" value="\$27 off"/> | 14. <input type="text" value="\$106"/> |
| 3. <input type="text" value="\$6"/> | 9. <input type="text" value="\$36"/> | 15. <input type="text" value="\$90"/> |
| 4. <input type="text" value="\$4"/> | 10. <input type="text" value="\$27"/> | 16. <input type="text" value="\$12"/> |
| 5. <input type="text" value="\$12 off"/> | 11. <input type="text" value="\$24 off"/> | 17. <input type="text" value="\$214"/> |
| 6. <input type="text" value="\$10"/> | 12. <input type="text" value="\$7"/> | 18. <input type="text" value="\$40.50"/> |

Step-by-Step Explanations

1. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is Tax is a percent of the price. Change 10% to 0.10 and multiply: $0.10 \times 20 = \$2$. So the final answer is \$2.
2. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is Change 25% to 0.25 and multiply by the price: $0.25 \times 80 = \$20$ off. So the final answer is \$20 off.
3. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is A tip is a percent of the bill: $0.15 \times 40 = \$6$. So the final answer is \$6.
4. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.08 \times 50 = \$4$. So the final answer is \$4.
5. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 60 = \$12$ off. So the final answer is \$12 off.
6. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.05 \times 200 = \$10$. So the final answer is \$10.
7. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.18 \times 50 = \$9$. So the final answer is \$9.
8. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.30 \times 90 = \$27$ off. So the final answer is \$27 off.
9. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is First find the discount: $0.10 \times 40 = \$4$. Subtract it from the price: $40 - 4 = \$36$. So the final answer is \$36.
10. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is First find the tax: $0.08 \times 25 = \$2$. Add it to the price: $25 + 2 = \$27$. So the final answer is \$27.
11. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.50 \times 48 = \$24$ off. So the final answer is \$24 off.
12. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 35 = \$7$. So the final answer is \$7.
13. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is Discount $0.25 \times 80 = \$20$; subtract: $80 - 20 = \$60$. So the final answer is \$60.
14. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is Tax $0.06 \times 100 = \$6$; add: $100 + 6 = \$106$. So the final answer is \$106.
15. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is The discount is $0.25 \times 120 = \$30$. The sale price is $120 - 30 = \$90$. So the final answer is \$90.
16. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is A 20% tip on \$60 is $0.20 \times 60 = \$12$. So the final answer is \$12.
17. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is The tax is $0.07 \times 200 = \$14$. The total is $200 + 14 = \$214$. So the final answer is \$214.
18. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is The discount is $0.10 \times 45 = \$4.50$. The final price is $45 - 4.50 = \$40.50$. So the final answer is \$40.50.



Keep Building CLEP College Mathematics Skills

Recommended Effortless Math resources



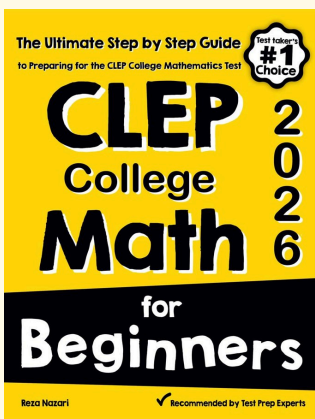
CLEP College Mathematics Test Prep Bundle

Use the complete CLEP College Mathematics resource for review, worked examples, extra practice, and test-style questions after each worksheet.



Scan Me
Download Instantly

STUDENT FAVORITE - CLEP College Mathematics for Beginners



CLEP College Mathematics for Beginners 2026

Step-by-step lessons, topic practice, and full review support for students who want a calm path through CLEP College Mathematics preparation.

A strong companion for self-study, tutoring, homework, and targeted review.

PDF Edition



Scan Me
Download Instantly