

**Applications of Percents:
Discount, Tax, Tip, and Commission**



Name _____
Date _____ Per. ____

Part One: Finding discounts:

- Discount = retail price • discount rate (discount rate is the discount % written as a decimal)
- Sale price = Retail price – discount (Subtract the discount from the original amount).

The jewelry store has a ring with a retail price of \$372.50. It is on sale for 60% off the retail price.

1. What is the discount? _____
2. What is the sale price? _____



Julie works at a pizza place in Phoenix. She receives a 15% discount on any pizza that she buys. If a large pizza costs \$14.00, what is the amount of Julie's discount? What is the final cost of her pizza?

3. Discount _____
4. Final Cost _____



Part Two: Finding Tax

- tax = cost of item • tax rate (the % written in decimal form) **Move the decimal 2 places!**
- total cost = cost of item + tax

At a bike shop, Kirby is buying a new bike that costs \$315. The sales tax rate is 6%.

5. How much tax will he have to pay? _____
6. What is the final cost of the bike? _____



The cost of dinner at Panda Express is \$14.50. The tax rate is 8.5%.

7. How much tax will be added to the bill? _____
8. What is the final cost? _____



Part Three: Adding Tips

→ tip = cost • tip rate (the % written in decimal form)

→ total cost = cost of item + tip

Wayne and Garth went to the Burger Barn. The meal cost \$24.68. The service was decent, so they left a 15% tip.

9. How much of a tip did they leave? _____

10. What was the total cost? _____



Mimi got a haircut that cost \$35. She gave the hairdresser a 20% tip. The salon adds a 6% tax to the bill.

11. How much tax will she pay? _____

12. How much will she tip? _____

13. What is her total cost? _____



Part Four: Commission

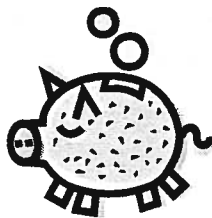
→ commission = amount of sale • commission rate (the % written as a decimal)

→ total earnings = salary + commission (do NOT include the amount a person sells to the total earnings)

Aaron earns a weekly salary of \$350 plus a 7% commission on sales. Last week, his sales totaled \$3200.

14. What was his commission?

15. What was his total pay?



Julie is paid a monthly salary of \$2100 plus commissions. Last month she sold one car for \$39,500, earning a 4% commission on the sale.

16. How much was her commission?

17. What was her total pay for the month?

