

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



Name _____
Date _____ Per. _____

Part One: Finding discounts:

→ Step 1: Find the discount using a proportion.

→ Step 2: Find the sale price by subtracting the discount amount from the original price.

The jewelry store has a ring with a retail price of \$372. 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

→ Step 1: Find the sales tax using a proportion.

→ Step 2: Find the final cost by adding the sales tax to the retail price.

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

→ Step 1: Find the Tip using a proportion.

→ Step 2: Find the total cost by adding the tip to the cost of the item or service.

Wayne and Garth went to the Burger Barn. The meal cost \$24. The service was decent, so they left a 15% tip.

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

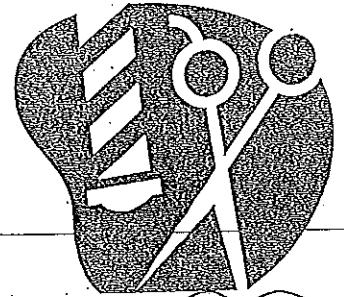
10. What was the total cost? _____

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? _____



Enter all answers in the clicker!

Take your time!

Did you use proportions?

Did you subtract the discount?

Meal work only!

Did you add tax and tip?

Be careful when you multiply!

Lesson Practice

Choose the correct answer.

- What is 72% of 175?
 - 115
 - 119
 - 126
 - 135
- A computer that originally cost \$850 is on sale for 15% off. What is the sale price of the computer?
 - \$127.50
 - \$722.50
 - \$835.00
 - \$977.50
- Mr. Chung stayed four nights at a hotel. His bill was \$725 before the sales tax of 6% was included. How much was the sales tax?
 - \$43.50
 - \$45.00
 - \$46.50
 - \$49.00
- What percent of 80 is 36?
 - 22%
 - 40%
 - 45%
 - 48%

- Angie has \$1,550 in a savings account that pays 2.5% simple interest each year. If she does not make any deposits or withdrawals, how much money will Angie have in her account in 2 years?
 - \$1,588.75
 - \$1,627.50
 - \$1,937.50
 - \$2,325.00
- George bought a book for \$18 and a magazine for \$4. The sales tax on his purchase was 5%. What was the total amount of George's purchase, including sales tax, in dollars and cents?

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

- The seventh grade has raised \$910 to help improve a local animal shelter. This is 28% of the shelter's goal. What is the shelter's fund-raising goal?
 - \$254.80
 - \$3,250.00
 - \$25,400.00
 - \$65,520.00

