

Definitions:

- Discount is a _____ in the price of an item.
- Markup is when a store _____ the price of an item from what they paid the manufacturer to what they sell it for to a customer.
- Tax is money that is _____ to the buyer's cost of an item or service, mandated by the government.
- Tip is _____ money that is given to a worker who performs a service for you.

Calculating By Converting:

Percent to Decimal: Move decimal left 2 places

Percent to Fraction: Write percent over 100 & simplify

<p><u>Discount</u></p> <ul style="list-style-type: none"> • Convert the percent to a decimal or fraction. • _____ the converted percent by the original price. This tells you the amount by which the price is changing. • _____ that amount from the original price. <p>ex: Find the sale price on a \$32.50 rug on sale for 40% off.</p>	<p><u>Markup</u></p> <ul style="list-style-type: none"> • Convert the percent to a decimal or fraction. • _____ the converted percent by the original price. This tells you the amount by which the price is changing. • _____ that amount to the original price. <p>ex: Find the new price on a \$14.50 shirt marked up 35%.</p>
<p><u>Tax</u></p> <ul style="list-style-type: none"> • Convert the percent to a decimal or fraction. • _____ the converted percent by the original price. This tells you how much tax must be paid. • _____ that amount to the original price to find the total price, including tax. <p>ex: Find the total price, including tax of a \$15.99 hat with 6% tax.</p>	<p><u>Tip</u></p> <ul style="list-style-type: none"> • Convert the percent to a decimal or fraction. • _____ the converted percent by the original price. This tells you how much money is being given as a tip. • _____ that amount to the original price to find the total cost, including the tip. <p>ex: How much tip should you leave for a 20% tip on a \$40 meal? What is the total including tip?</p>

Examples:

- Find the sale price.
 - \$52 item is on sale for 30% off _____
- Find the total price including tax.
 - \$67.99 item with 6% sales tax _____
- Find the tip. Then find the total cost including the tip.
 - \$55 with a 15% tip _____

Name: _____ Date: _____

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Discount, Markup, Tax, & Tip

Application Practice

1. A store marks up a \$68.99 lamp 40%. What is the new price of the lamp?

2. Tammy buys a \$53.00 dress when it is on sale for 15% off. How much money does Tammy pay for the dress?

3. What is the total cost of a \$2,099 couch including the 6.5% sales tax?

4. Becca and Devon went out to dinner. Becca's meal cost \$13.50 and Devon's meal cost \$12.50. How much money should they leave their waiter if they want to give him a 20% tip?

5. A book originally cost \$16.95. Dave bought the book when it was on sale for 20% off. How much did he pay for the book in all after the 7% sales tax?

6. Jack and Jill went out to eat. Their bill came to \$39.45 before tax. If there was a 6% tax on the meal, how much did it cost in all?

7. Rob bought a tennis racket for \$54.50 and some tennis balls for \$9.99. He had a coupon for 30% off his total purchase. There was a 5.5% sales tax on his purchase. How much change did he receive if he handed the cashier \$50?

Name: _____ Date: _____

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Discount, Markup, Tax, & Tip

Skills Practice.

Find the new price to the nearest cent.

- | | | |
|---|---|--|
| 1. Original Price: \$44
Discount: 25% | 2. Original Price: \$80
Discount: 40% | 3. Original Price: \$9.99
Discount: 70% |
| 4. Original Price: \$35.67
Markup: 30% | 5. Original Price: \$22.50
Markup: 15% | 6. Original Price: \$53
Markup: 50% |

Find the total price, including tax. Round to the nearest cent.

- | | | |
|------------------------------|-----------------------------|---------------------------------|
| 7. Price: \$3.50
Tax: 6% | 8. Price: \$8.50
Tax: 7% | 9. Price: \$52.99
Tax: 5.5% |
| 10. Price: \$35
Tax: 7.5% | 11. Price: 105
Tax: 5% | 12. Price: \$84.62
Tax: 6.5% |

Find the tip. Then find the total cost, including the tip.

- | | | |
|----------------------------|----------------------------|-----------------------------|
| 13. Bill: \$45
Tip: 20% | 14. Bill: \$80
Tip: 15% | 15. Bill: \$105
Tip: 18% |
|----------------------------|----------------------------|-----------------------------|