

1. Darius purchased a new suit for \$295.95. The sales tax rate is 9.25%. What is the final purchase price of the suit, including sales tax?

\$ 323.53 ← 323.3256

2. What is the difference between a good and a service?

Tangible vs intangible

3. Since a "market" doesn't have to be a physical place, what is it?

a place that allows you to buy & sell

4. What does Market Size refer to?

Volume of sales

5. When leaving a tip, or gratuity at a restaurant, how much is widely agreed upon as a reasonable amount?

10% → 20%

6. Fatima purchased the new plants for her yard. She used a coupon for 20% off her entire purchase, which was \$195.50 before sales tax. What is the pretax purchase price of the plants, after the coupon discount is deducted?

\$ 156.40

7. Keenan purchased a bag of dog food for \$28.23. He received a mail-in rebate for \$7.50.

What will be the final cost of the bag of dog food if Keenan uses the mail-in rebate?

\$ 20.73

8. Natsumi went on a business lunch. The pretax bill was \$45.60. She decided to leave a 15% tip. The sales tax rate is 8.25%. What was the final amount of the bill?

$$\begin{array}{r} 45.60 \\ .15 \\ \hline 6.84 \text{ tip} \end{array}$$

$$\begin{array}{r} 45.60 \\ .0825 \\ \hline 3.76 - \text{tax} \end{array}$$

$$\begin{array}{r} 45.60 \\ 6.84 \\ + 3.76 \\ \hline \$ 56.20 \end{array}$$

9. Makalo took his grandmother to dinner. The pretax bill was \$74.50. He decided to leave a 20% tip. The sales tax rate is 7.75%. What was the final amount of the bill?

10. What are some differences between Debit (check) cards, Credit cards, and Charge cards? Also, provide an example of each and an advantage or disadvantage for each.

a. Debit (check) Card

*your money (in bank)*

b. Credit Card

*loan longer to pay back  
build faster credit*

c. Charge Card

*loan pay back in 1 billing cycle.*

11. Hassan made a purchase at the convenience store for \$29.19, including sales tax. He gave the clerk \$40. How much change should Hassan receive?

\$ 10.81

12. Selena manages a landscaping company and purchases her materials from the local lumberyard, where she has a charge account. Last week, Selena's company purchased 48 landscaping timbers at \$4.55 each, 80 cubic yards of mulch at \$29.95 per cubic yard, and

lumberyard, where she has a charge account. Last week, Selena's company purchased 48 landscaping timbers at \$4.55 each, 80 cubic yards of mulch at \$29.95 per cubic yard, and 90 flats of bedding plants at \$4.88 per flat. She must also pay a 9.5% sales tax on all purchases. What was the balance of Selena's landscaping company's charge account at the end of the week?

$$\begin{array}{r}
 48 \times 4.55 = 218.40 \\
 80 \times 29.95 = 2396 \\
 90 \times 4.88 = 439.20 \\
 \hline
 \$ 3053.60
 \end{array}$$

$$\begin{array}{r}
 + 9.5\% \\
 3053.60(1.095)
 \end{array}$$

$$\boxed{3343.69}$$

13. Jacob owns a farm supply company. The chart that follows shows items purchased by one of his clients on a charge account. Assuming the sales tax rate is 9.75%, what is the client's charge account balance?

Item	Unit Price	Quantity
Baling Wire	\$75.14	15 spools
Horse Feed	\$9.95	16 bags
Barbed Wire	\$52.15	6 spools

14. Renee placed some holiday gifts in layaway. The combined price of the items was \$418.95. The store charges a 5% layaway fee and requires a 10% down payment. She must pay 15% of the item price each week for six weeks. Determine the layaway fee, down payment, and amount of Renee's weekly payments.

$$\begin{array}{r}
 418.95 \\
 439.98
 \end{array}$$

$$4760$$

$$\begin{array}{r}
 \text{Fee} - 5\% - \$20.95 \\
 \text{D.P.} - 10\% - \$43.99 \\
 \dots
 \end{array}$$

718.15

439.90

4399

D.P. - 10% - \$ 43.99  
Payments - 15% - \$ 65.99

15. Hugo placed a necklace for his mother in layaway. The price of the necklace was \$305.45. The store charges a \$5 service charge, requires a 20% down payment, and requires weekly payments of 10% until the item is paid in full. Determine Hugo's down payment and weekly payments.

16. A package of orange juice contains 96 fluid ounces and costs \$3.29. What is the unit price per ounce?

$$\frac{3.29}{96} = 0.03427$$
$$0.0343 \cdot 96 = 3.2928$$
$$.03 \cdot 96 = 2.88$$

\$ .03

17. A package of three boxes of facial tissue sells for \$5.89. Each box contains 250 facial tissues. What is the unit price per facial tissue?

18. Haley is shopping for a new mobile phone plan. Her mobile phone company has a plan for 500 minutes of talk time for \$19.99 per month. If Haley signs a two-year contract, she will receive a \$135 discount on a new phone. However, there is also an activation fee of \$45 and an early termination fee of \$250. What is the total cost of the mobile phone contract if she purchases a new iPhone that cost \$709.95, excluding the early termination fee?

$$\begin{array}{r} 19.99 \cdot 24 = 479.76 \\ 45 \\ + 709.95 \\ \hline 1234.71 \\ - 135 \\ \hline \boxed{1099.71} \end{array}$$

19. Lorenzo signed a two-year contract with his wireless tablet computer company for a data plan that costs \$15.99 per month. There is an early termination fee of \$249. After Lorenzo was nine months into his contract, he cancelled his service. Including the early termination fee, what was the total cost of Lorenzo's contract?

$$15.99 \cdot 9 = 179.91 + 249$$
$$\boxed{428.91}$$

20. A website charges \$0.49 for each click on an advertiser's web banner. Red River Valley Bookstore received 75 clicks in January, 68 clicks in February, and 104 clicks in March. What is Red River Valley Bookstore's advertising bill for this quarter?