

Can You Afford It?

Next summer, you are going to try to earn extra money each month to buy the things you want. Decide whether or not you can afford each of the things you want each month, depending on your income and expenses.

In June, you earn \$85 from babysitting, and get \$50 in birthday money. If you also get \$2 every time you walk your neighbor's dog, Barksalot, and you walk the dog 10 times in June, how much is your total income for the month of June? _____

Before you buy anything, your parents want you to put away 20 percent of your monthly income in a savings account for college. How much do you have to put in your savings account this month? _____ How much do you have left? _____

If you spend \$35, including tax of 8 percent, on a new swimsuit at the beginning of June, how much income do you have left? _____

To go along with your new swimsuit, you'd like to buy a sunhat. The hat costs \$24 plus 8 percent tax. How much income do you have left? _____

At the end of the month, your friends invite you to a concert. The tickets cost \$39.50 plus a \$12 service charge. Can you afford it? _____



In July, you earn \$66 from babysitting, and you walk Barksalot 14 times. Your family has a garage sale where you make \$18 by selling your old snowboarding boots. What is your income in July? _____

How much money do you put into your college savings account? _____

How much do you have left? _____

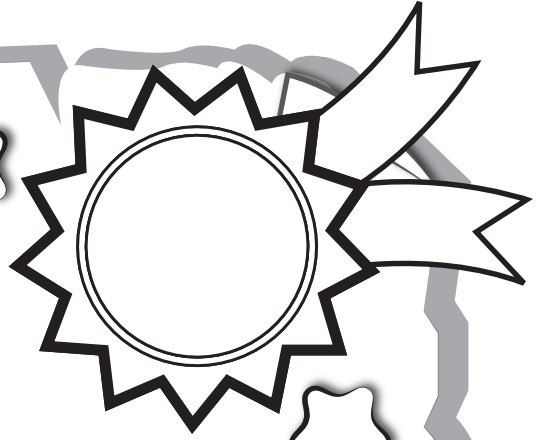
You wore your new swimsuit and sun hat to an outing on the beach with your friends. You bought a sandwich for \$5.99 and a drink for \$1.99. There was no sales tax. How much money do you have left? _____

For your mom's birthday in August, you want to buy her a heart necklace. It costs \$59.99 plus 10% sales tax. Can you afford it? _____



Great job!

_____ is an Education.com math superstar



Answer Sheets

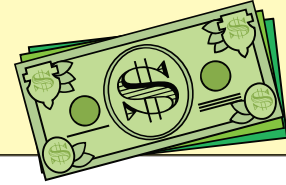
Another Day, Another Dollar

Economics 101
History of American Money
How much does it really cost?
Winter Sale
Hungry for Math
Let's Go Shopping
Tax-Free
More Bang for Your Buck
Buying in Bulk
It All Adds Up
Income and Expense
Can You Afford It?

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Answer Sheet

Fill in the blanks using the terms from the previous page. No peeking!



1. **consumers** are people who buy products.
2. People and companies who make and sell goods and services are **producers**.
3. A **budget** keeps track of exactly how much money is coming in and exactly how much money is going out.
4. **sales tax** is added to the listed price of consumer goods.
5. When consumers want a lot of a particular product, **demand** increases.
6. Producers control the number of products they sell, also called the **supply**.
7. A **bank** is a place where money changes hands. It is supposed to be a secure place that will keep your money safe.
8. **economics** is the study of the transfer of money and the production and consumption of products.



9. When someone owes money, the amount owed is called **debt**.

10. When people get paid for helping others, those people are providing **services**.

Answer Sheet

Answer these questions about the history of American money.

1. Where was the first U.S. Mint? Philadelphia, Pennsylvania

2. What was Salmon P. Chase's position in the U.S. government when he appeared on the \$1 bill? Treasury secretary

3. What was the major difference between the original U.S. Mint and the BEP? The U.S. Mint produces coins. The BEP is the single producer of paper bills.

In 1792, coins were practically made by hand. It took coiners three years to produce the first million coins. Today, it takes 22.2 hours to produce the same number of coins.

4. What was the official name for "greenbacks" in 1861? Demand notes

5. In what year did the U.S. Mint start making its "America the Beautiful Quarters"? 2010

Before paper money, Americans traded animal skins, such as those from deer and elk bucks. This is why dollars are sometimes called "bucks."

6. If you could create a new denomination in U.S. currency, what would be the amount? Whose picture would you put on your new currency, and why?

Answer Sheet

Calculate the actual costs for the following items at a tax rate of 8.2 percent. Show your work.



Board Game \$12.98

Video Game \$31.38

Cell Phone \$215.32

Baseball Cap \$38.94

Movie \$24.83

Answer Sheet

Now try calculating the total cost of items at different tax rates:



1. An art set has a price tag of \$14.99 at a tax rate of 6.25%. What is the total cost of the art set?

\$15.93



2. The price of a baseball bat is \$39.99. At a 7% tax rate, how much does the bat cost?

\$42.79



3. A necklace is priced at \$25.99. At a tax rate of 9.5%, what is the total cost of the necklace?

\$28.46



4. You are buying a pair of inline skates for \$135.50 and a helmet for \$55.00. If the store charges a tax rate of 8.25%, what will be the total cost of the skates and the helmet?

\$206.22

Answer Sheet

Winter Sale

With some searching and patience, many consumers find discounted prices or “sales” when they shop. For example, a raincoat may cost \$30, but if there’s a sale and all items are 50 percent off the original price, you can buy the raincoat for \$15!

To calculate the price of an item that is discounted, multiply the original price by the percentage off. Divide the product by 100, and subtract the quotient from the original price.

Step 1: Multiply listed price by the percentage off.

$$\$30 \times 50 = \$1,500$$

Step 2: Divide by 100.

$$\$1,500 \div 100 = \$15$$

Step 3: Subtract from the original price.

$$\$30 - \$15 = \$15$$

**Find the sale price of these items.
All items are 50 percent off!**



Mittens

\$6

Ice Skates

\$85

Scarf

\$7.50

Answer Sheet

On the previous page, you found the sale price of certain items when they were sold at 50 percent off, but you didn't have to add sales tax. If the tax rate is 7.25 percent, how much will each item cost?



Raincoat \$16.09

Mittens \$6.44

Ice Skates \$91.16

Scarf \$8.04

If you wanted to buy all these items together, how much would it cost?

\$121.73