# **Teacher's Guide**



# **Taxation**

**Time Needed:** One to two class periods

**Materials Needed:** Student worksheets

Projector (optional)

Transparencies (3, or project from

computer; optional)

**Copy Instructions:** 

Reading (2 pages; class set)
Review (2 pages; class set)
Tax Activity (2 pages; class set)

**Learning Objectives.** Students will be able to:

- Identify the government's sources of tax revenue
- Explain that government uses tax money to provide certain goods and services.
- Explain how federal, state, and local taxes support the economy as a function of the U.S. government.
- Describe the impact of taxation.
- Analyze a pay stub.
- Calculate sales tax and compare the effect of different tax rates on total price paid.

# STEP BY STEP

☐ ANTICIPATE	by asking students to explain what a "tax" is. Who pays taxes? To whom are they paid? Can students think of a time when they themselves have paid taxes?					
☐ DISTRIBUTE	the <i>Taxation</i> reading to each student.					
□ READ	with the class, pausing to discuss as appropriate. [Please note: The threshold for qualifying for the estate tax is subject to change. In recent years, the threshold has been as high as \$5 million, but Congress could put it as low as \$1 million.]					
☐ DISTRIBUTE	the Tax Activity worksheets to each student.					
□ Project	the <i>Reality (Pay)Check</i> projection master. Go through the sample pay stub with students and discuss.					
□ Allow	students to complete the Reality (Pay)Check activity.					
□ Project	the sales tax projection master. Use it to explain to students that the rate of sales tax can vary depending on where you are (tax rules, of course, vary from state to state). Make sure students understand that on this map, the state sales tax applies everywhere, and that the cities are inside the county, so the county sales tax applies inside the cities.					
□ ALLOW	students to complete the <i>How Much Does It Cost?</i> activity. You may want to walk through these together if they struggle with the math.					
□ Review	the answers to the activities if you wish.					
☐ DISTRIBUTE	the review worksheet.					
☐ Assign	students to complete the review worksheet.					
☐ CLOSE	by asking students to silently recall one type of tax they learned about. Call on students until all the taxes discussed in the lesson have been named.					

This lesson plan is part of the *Government & the Market* series by iCivics, Inc. a nonprofit organization dedicated to advancing civic education. Please visit www.icivics.org/teachers for more resources and to access the state standards aligned to this lesson plan. Provide feedback to feedback@icivics.org. ©2013 iCivics, Inc. You may copy, distribute, or transmit this work for noncommercial purposes if you credit iCivics. All other rights reserved.



#### You Are a Taxpayer

You've probably thought of yourself as a student, a kid, maybe an athlete or an artist or a gamer, but have you ever thought of yourself as... a taxpayer? If you've ever bought anything, you've probably paid taxes. A **tax** is an amount of money citizens and businesses are required to pay so that the government can function and provide services. There are many kinds of taxes, and they exist at all levels of government. The taxes you pay support all of the things the government does.

#### **Government Services**

So what does the government do? Just look around! If you've driven on a road, visited a library, gone to an airport, or been to a military base, you've seen the government in action. Many government services are designed to keep the nation and its citizens safe. The government inspects places where food is made, provides police officers and FBI agents, and keeps long-range missiles ready in case of attack. (Ever wondered how much a missile costs and who pays for it?)

Other services are designed to keep the nation's economy running smoothly by helping citizens earn a living and business be competitive. The government educates people, supports farmers and small business owners, and investigates companies that operate unfairly. There are services that help people who have fallen on hard times by offering them help finding jobs and buying food.

The government provides all kinds of other services, too. It improves our quality of life by maintaining parks and operating museums. It generates electricity, prints money, builds rockets, clothes prisoners, repairs traffic lights ... the list is endless! Thousands of people earn their living providing all these services to citizens. In fact, the federal government is the biggest employer in the nation.





## **Paying for Services**

Most people would agree that going out to eat is fun... until the check arrives. But people accept that if they want to eat out, they have to pay the bill. It's the same with government services: If we want to have a military, or space rockets, or traffic lights, we have to pay for them. (Whether people agree on what we should pay for is another question!) We pay for these things with taxes. There are many kinds of taxes.

#### **Sales Tax**

Sales tax is the tax you pay when you buy something. Government at all levels can impose sales tax. If you break down the total tax you pay on an item, you may find that part of it is city sales tax, part might be county tax, and part may be state sales tax. If you've noticed that sales tax varies from place to place, that's why. Also, not everything is taxed at the same rate. In many states, groceries are exempt from sales tax. States and local governments use sales taxes to fund many kinds of programs. Sometimes, citizens will even vote to impose a sales tax on themselves for a special purpose, such as education.







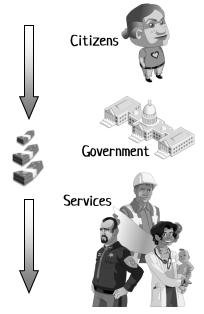
#### **Excise Tax**

While sales tax applies to all the stuff in your shopping cart, an **excise tax** only applies to certain products. States often put excise taxes on alcohol and tobacco. At the federal level, there are excise taxes on gasoline, air transportation, fishing equipment, and even indoor tanning! You won't usually see an excise tax listed on your receipt because it is a tax the seller owes to the government. However, sellers usually include the amount of the tax in the price of the item. That's why excise taxes are often called "hidden" taxes. As the consumer, you might not know the tax exists.

#### **Income Tax**

**Income tax** is the tax you pay on money you receive from various sources. Some income is money you earn by working at a job. There are other kinds of income, too. Banks pay interest on money you keep in a savings account. People who own buildings may receive rent from their tenants. People who own businesses receive money for the goods and services they offer. People can also receive income from investing their money in things like stocks. All of this income is taxable, which means people must report it to the government and may have to pay taxes on it.

Like people, businesses also pay income tax. The **corporate income tax** is a tax on profits made by corporations. Both the individual and corporate income tax are **progressive taxes**, meaning the more income or profit a person or company has, the higher tax rate they pay.





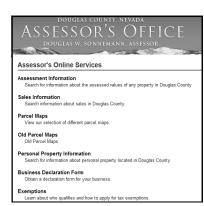
## **Social Security and Medicare Tax**

**Social Security** is the basic retirement program run by the federal government. During your working years, the **Social Security tax** takes a percentage of your earnings and puts it into the Social Security system. Then, when you reach a certain age, you become eligible to receive monthly payments. People who become disabled and cannot work may also be eligible to receive payments from Social Security. **Medicare** is the federal government's health care system for people age 65 and over. Money for this program also comes out of your paycheck in the form of a tax.

#### **Other Taxes**

There are many other kinds of taxes the government collects:

- Local governments collect property taxes, which are taxes people pay on land they own. Schools and fire services are often funded with property taxes.
- The estate tax is a tax the government collects when a person dies.
   Often called "death taxes," the estate tax only applies when everything
   the deceased person owned is worth a lot of money—usually millions of
   dollars. Most people don't have to worry about this tax.
- The government also imposes **tariffs**, which are taxes on goods that are imported to the U.S. from other countries. The purpose of tariffs is to help U.S. companies compete with foreign companies.



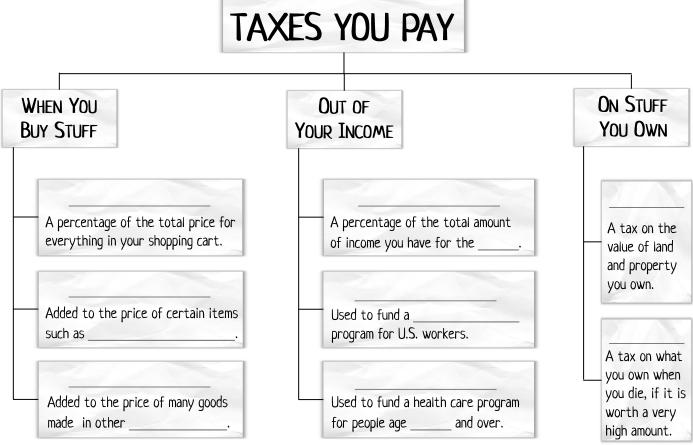
In most places, a County Assessor decides what land is worth for property tax purposes.



**A. Which Tax Is It?** Match each scenario with the tax it is describing.



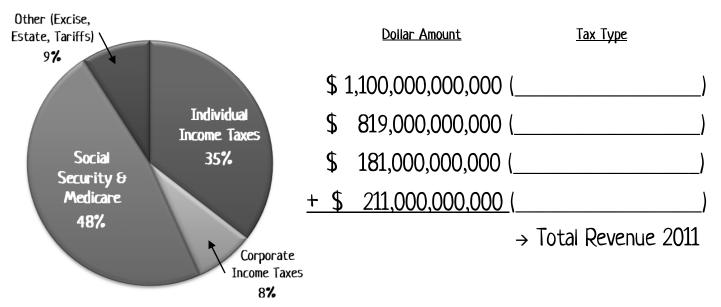
- 1) Yvonne buys gloves that cost \$10.00. At the register, she must pay \$10.80.
- 2) Sasha bought a townhouse last year. She just got a tax bill from the county showing the value of her house and the amount of tax she owes.
- 3) Bigmart sells boots that are made in China and boots made in the U.S. Bigmart must pay 27% tax on each pair made in China, but not on the US-made pairs.
- 4) State citizens voted to add a 75-cent tax to each pack of cigarettes to pay for programs to help people quit smoking.
- 5) Jake got his paycheck today. He worked 40 hours at \$20 per hour. His gross pay was \$800, but the amount of his paycheck was only \$623.15.
- 6) Clyde Cash owned two houses, three office buildings, a Bugatti Veyron, antiques, stocks, and a jet, all worth \$25 million. He passed away. His heirs owe the government \$9 million in taxes.
- **B. Tax Organizer.** Use what you learned in the reading to complete this graphic organizer.





**Taxation** 

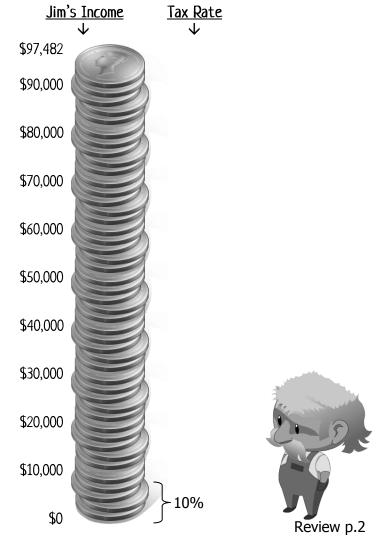
**C. Government Revenue.** Revenue is a fancy word for income. Use the proportions in the chart to help you label each dollar amount. Then <u>add</u> to see the total amount of taxes the federal government received in 2011.



**D. Tax Brackets.** The U.S. has a *progressive* tax system, meaning the more income you have, the higher tax rate you pay. Use the tax table to help you label the rest of Jim's money to show the tax rate he will pay on each part of what he made.

## 2012 TAX TABLE FOR UNMARRIED INDIVIDUALS

Tax Rate	Income	What It Means:
10%	\$0 - \$8,700	You pay 10 percent on your first \$8,700.
15 <b>%</b>	\$8,700 - \$35,350	You pay 15 percent on income over \$8,700 but under \$35,350.
25 <b>%</b>	\$35,350 - \$85,650	You pay 25 percent on income over \$35,350 but under \$85,650.
28 <b>%</b>	\$85,650 - \$178,650	You pay 28 percent on income over \$85,650 but under \$178,650.
33 <b>%</b>	\$178,650 - \$388,350	You pay 33 percent on income over \$178,650 but under \$388,350.
35 <b>%</b>	Over \$388,350	You pay 35 percent on every dollar you make over \$388,350.





C. Reality (Pay)Check. When you get a paycheck, your check stub offers lots of information about the taxes you pay. Study Wanda Worker's paycheck stub and answer the questions below.

Wanda W. Worker Employe			•				FEDERAL INCOME TAX SUMMARY			
P.O. Box 123 Anytown, STA		54-9832	54-9832 Amount: \$ 738.36		8.36		Current	YTD		
		HOURS AN	ND EARNING	S			Gross Pay	1,020.00	12,240.00	
Door	intion	C	Current Pay F	erioc	t	Year to Date	Minus: Pre-Tax Deductions	93.00	1,116.00	
Descr	ption	Hours	Rate	Ea	ırnings	Earnings	Taxable Amount	927.00	11,124.00	
Regular Pay		72.00	12.75	918.00		11,934.00	Minus:			
Paid Time Off	(PTO)	8.00	12.75	102.00		306.00	Taxes	-188.64	-2,263.68	
TOTAL		80.00	0 1,020.00		12,240.00	Net Pay	738.36	8,860.32		
PRE-TAX DEDUCTIONS TAXES			Company, Inc.							
Description	Current	YTD	Description	on	Current	YTD				
Health Insurance	42.00	504.00	FEDERAL SOCIAL SEC		92.70 57.4		Pay to: Wanda W. Work Seven hundred thirt		\$ 738.36	
401K Retirement	51.00	612.00	MEDICARE		13.44 161.28 25.03 300.36		<u>55.5 Adildi od dilli c</u>			
Total	93.00	1,116.00	Total		188.64	4 2,263.68			Michael M. Manager	

Kethement						4.004			
Total	93.00	1,116.00	Total	188.64	2,263.68	Michael M. Manager			
1) How r			da earn per	hour?		8) What was Wanda's gross pay during the current pay period?	t		
2) What			 tal earnings	for the		\$			
	nt pay p		car carriings	TOT CITE		9) Was Wanda's entire gross pay taxable?			
	\$.					○ Yes ○ No			
3) List the 4 kinds of taxes that are taken out of Wanda's check:						10) The difference between gross pay and net pay is that gross pay is the amount a person earns before			
						while net pay is the	<u>;</u>		
4) Which The mo	tax had		st amount t			amount they			
Least:						11) Wanda receives a check for which amount?			
Most:						○ Gross Pay ○ Net Pay ○ Taxable Amount			
5) How much did Wanda pay in taxes this pay period?						12) What are the two pre-tax deductions that are taken out of Wanda's check?			
	\$.					&			
6) How m year?	uch ha	s Wanda	a paid in tota	al taxes	this	13) Wanda paid \$93 toward health insurance and retirement. Did she pay taxes on that \$93?			
	\$.					O Yes O No			
7) How m	uch fed	deral tax	has Wanda	paid so	far	14) If Wanda's state did not have an income tax,			

this year?

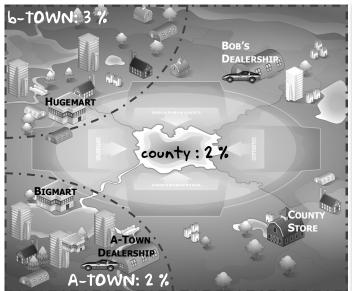
7) How much federal tax has Wanda paid so far

how much extra money would she have kept so

far this year?

**D. How Much Will It Cost?** Maybe you've noticed that you can buy the same exact thing in two different places—for the same exact price—but end up paying different amounts. That's because the sales tax is different. Find out how small changes in sales tax can affect the price you pay for the stuff you want:

STATE SALES TAX: 5 %



Example: How much will you pay for a in A-Town?	\$50 shirt at Bigmart
	State tax 5 %
1) ADD to find the tax rate:	County tax 2 %
	City tax + 2 %
	Total Tax 9 %
<ul><li>2) MULTIPLY the tax by the price:</li><li>3) MOVE the decimal point two places</li></ul>	\$ 50 <u>x 9</u> 450
to the left. This is the amount of tax you will pay:	450 ⇒ \$ 4.50
4) ADD the tax and the price to see the final cost:	\$ 50.00 <u>+ 4.50</u> 54.50

2) Lisa is going to buy a new car! It costs \$15,000 at both

A-Town Dealership and at Bob's County Dealership. What

would she actually pay for the car at each place?

1) A pair of headphones costs \$10 at both Bigmart in A-Town and Hugemart in B-Town. What would you actually pay for the headphones at each store?

Cost in A-Town: \$

Cost in B-Town: \$

3) A stereo costs \$257 at the County Store and \$250 at Hugemart in B-Town. With taxes, what would you actually pay at each store?

Cost in A-Town: \$\_\_\_\_\_ At County Store: \$

If it costs you \$10 in gas to drive to Hugemart, at which store will the stereo end up costing you the least?

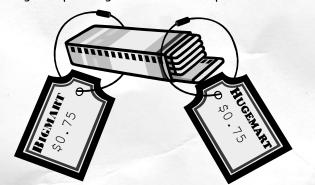
O Hugemart

O County Store

Cost in A-Town: \$

Cost at Bob's: \$

4) The state is tired of people putting gum under tables and chairs. It just put a \$1 excise tax on each pack of gum! Gum used to cost \$0.75 per pack at both Bigmart and Hugemart. <u>Change the price tags</u> to show the new price at each store:



Tax Activity p.2

# 2012 TAX TABLE FOR UNMARRIED INDIVIDUALS

Tax Rate	Income	What It Means:
10%	\$0 - \$8,700	You pay 10 percent on your first \$8,700.
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35 <b>%</b>	Over \$388,350	You pay 35 percent on every dollar you make over \$388,350.



The government wants people to have health insurance and save for retirement, so often you don't owe taxes on money spent for these purposes.

# Reality (Pay)Check

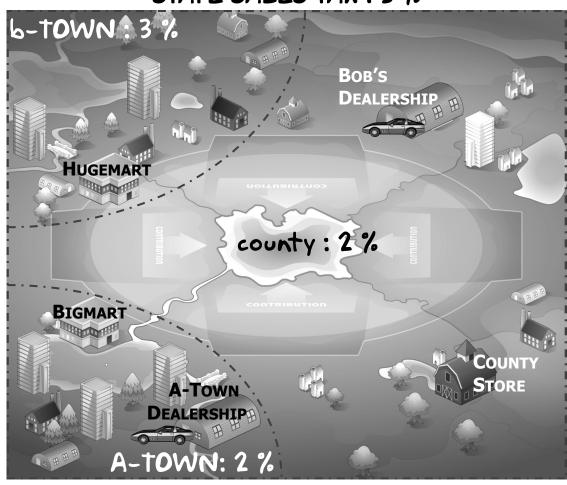
Michael M. Manager	Michael		1,116.00	188.64	<sup>[</sup> otal	1,116.00 Total	93.00	Total
			161.28 300.36	13:44 25.03	MEDICARE STATE	612.00 S	51.00	401K Retirement
\$ 738.36	eight and 36/100	Pay to: <u>Wanda W. Worker</u> Seven hundred thirty-eight and 36/100	1112.40	92.70 57.47	FEDERAL SOCIAL SEC	504.00 F	42.00	Health Insurance
		T Wall Or	YTD	Current	Description	YTD	Current	Description
		Company, Inc.		TAXES		SNOI	PRE-TAX DEDUCTIONS	PRE-TAX
8,860.32	738.36	Net Pay	12,240.00 Net Pay	1,020.00		80.00		TOTAL
-2,263.68	-188.64	Taxes	306.00	102.00	12.75	8.00	(PTO)	Paid Time Off (PTO)
1,100			11,934.00	918.00	12.75	72.00		Regular Pay
11 124 00	927 00	Tayahla Amount	Earnings	Earnings	Rate	Hours		000
1,116.00	93.00	Pre-Tax Deductions	Year to Date		Current Pay Period	Cu	ntion Tion	Description
12,240.00	1,020.00	Pay			HOURS AND EARNINGS	HOURS ANI		
YTD	Current		0.00	Allioulit. \$ / 30.30		2006-46	TE 87654	Anytown, STATE 87654
MARY	EDERAL INCOME TAX SUMMARY	FEDI	9 36	Date: 5/5/2014		Employee #:	orker	Wanda W. Worker

These are benefits, not taxes. The type of benefits you get depends on your employer. Some offer none at all.

The withholding from your check is usually different from what you actually owe. You may get a refund or have to pay more taxes.

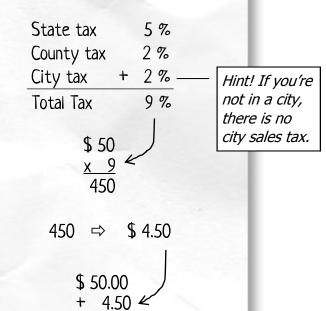


# STATE SALES TAX: 5 %



Example: How much will you pay for a \$50 shirt at Bigmart in A-Town?

- 1) ADD to find the tax rate:
- 2) MULTIPLY the tax by the price:
- 3) MOVE the decimal point two places to the left. This is the amount of tax you will pay:
- 4) ADD the tax and the price to see the final cost:



54.50

**Reality (Pay)Check.** When you get a paycheck, your check stub offers lots of information about the taxes you pay. Study Wanda Worker's paycheck stub and answer the questions below.

Wanda W. Worker Employee #: 54-9832				Date: 6/12/2014			FEDERAL INCOME TAX SUMMARY			
Anytown, STA		54-9832	54-9832 Amount: \$ 738.36		8.36		Current	YTD		
		HOURS AN	ID EARNING	SS			Gross Pay Minus:	1,020.00	12,24	0.00
Descri	intion	C	urrent Pay F	eriod		Year to Date	Pre-Tax Deductions	93.00	1,116	.00
Descri	μιστ	Hours	Rate	Earnir	ngs	Earnings	Taxable Amount	927.00	11,12	4.00
Regular Pay		72.00	12.75	2.75 918.00		11,934.00	Minus:			
Paid Time Off	(PTO)	8.00	12.75	75 102.00		306.00	Taxes	-188.64	-2,263	0.00
TOTAL		80.00	00 1,020.00		0.00	12,240.00	Net Pay	738.36	8,860	.32
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401K Retirement	51.00	612.00	MEDICARE		13.44 161.28 25.03 300.36		Sover numerou ume		u 06 u u	_
Total	93.00	1,116.00	Total		188.64	2263.68		_	Michael M. N	lanager

	1)	How	much	does	Wanda	earn	per	hour?
--	----	-----	------	------	-------	------	-----	-------

\$ \_\_*12.75*\_\_\_

2) What are Wanda's total earnings for the current pay period?

\$ 1,020.00

3) List the 4 kinds of taxes that are taken out of Wanda's check:

Federal	Medicare
Social Security	State

4) Which tax had the least amount taken out? The most?

Least: <u>Medicare</u>
Most: Federal

5) How much did Wanda pay in taxes this pay period?

\$ <u>188.64</u>

6) How much has Wanda paid in total taxes this year?

\$ <u>2,263.68</u>

7) How much federal tax has Wanda paid so far this year?

\$ <u>1,112.40</u>

8) What was Wanda's gross pay during the current pay period?

\$ \_\_\_\_*1,020.00*\_\_\_

9) Was Wanda's entire gross pay taxable?

10) The difference between gross pay and net pay is that gross pay is the amount a person earns before <u>taxes and other deductions are</u> while net pay is the amount they <u>actually receive after taxes</u> and other deductions .

11) Wanda receives a check for which amount?

○ Gross Pay **૭** Net Pay ○ Taxable Amount

12) What are the two pre-tax deductions that are taken out of Wanda's check?

Health Insurance & 401k Retirement

13) Wanda paid \$93 toward health insurance and retirement. Did she pay taxes on that \$93?

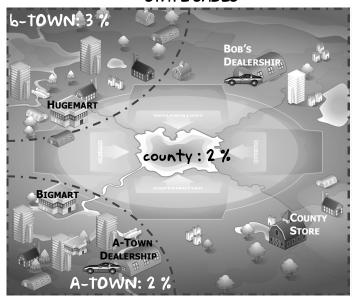
○ Yes Ø No

14) If Wanda's state did not have an income tax, how much extra money would she have kept so far this year?

\$ <u>300.36</u>

**How Much Will It Cost?** Maybe you've noticed that you can buy the same exact thing in two different places—for the same exact price—but end up paying different amounts. That's because the sales tax is different. Find out how small changes in sales tax can affect the price you pay for the stuff you want:

#### STATE SALES



Example: How much will you pay for a 9 in A-Town?	550 shirt at Bigmart
	State tax 5 %
1) ADD to find the tax rate:	County tax 2 %
	City tax + 2 %
	Total Tax 9 %
2) MULTIPLY the tax by the price:  3) MOVE the decimal point two places to the left. This is the amount of tax	$\begin{array}{c} \$ 50 \\ \times 9 \\ \hline 450 \\ \end{array}$ $450 \Rightarrow \$ 4.50$
you will pay:  4) ADD the tax and the price to see the final cost:	\$ 50.00 + 4.50 54.50

2) Lisa is going to buy a new car! It costs \$15,000 at both

A-Town Dealership and at Bob's County Dealership. What

would she actually pay for the car at each place?

1) A pair of headphones costs \$10 at both Bigmart in A-Town and Hugemart in B-Town. What would you actually pay for the headphones at each store?

<u>A-Town</u>	<u>B-Town</u>
Tax rate = 9%	Tax rate = 10%
\$10 x 9 = 90	$$10 \times 10 = 100$
Tax = \$0.90	Tax = \$1.00

Cost in A-Town: \$\_10.90\_\_ Cost in B-Town: \$\_11.00

A-TownBob'sTax rate = 9%Tax rate = 7%

\$15,000 x 9 = \$15,000 x 7 = 135000

Tax = \$1,350.00 Tax = \$1,050.00

4) The state is tired of people putting gum under tables and

chairs. It just put a \$1 excise tax on each pack of gum! Gum used to cost \$0.75 per pack at both Bigmart and Hugemart.

Cost in A-Town: \$ 16,350 Cost at Bob's: \$ 16,050

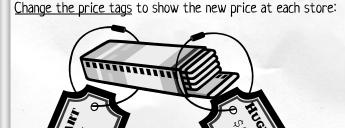
3) A stereo costs \$257 at the County Store and \$250 at Hugemart in B-Town. With taxes, what would you actually pay at each store?

<u>B-Town</u>	County Store	
Tax rate = 10%	Tax rate = 7%	
\$250 x 10 = 2500	\$257 x 7 = 1799	
Tax = \$25.00	Tax = \$17.99	
Cost in B-Town: \$ 275	At County Store: \$ 274 99	

Cost in B-Town: \$<u>274.99</u> At County Store: \$<u>274.99</u>

If it costs you \$10 in gas to drive to Hugemart, at which store will the stereo end up costing you the least?

O Hugemart & County Store



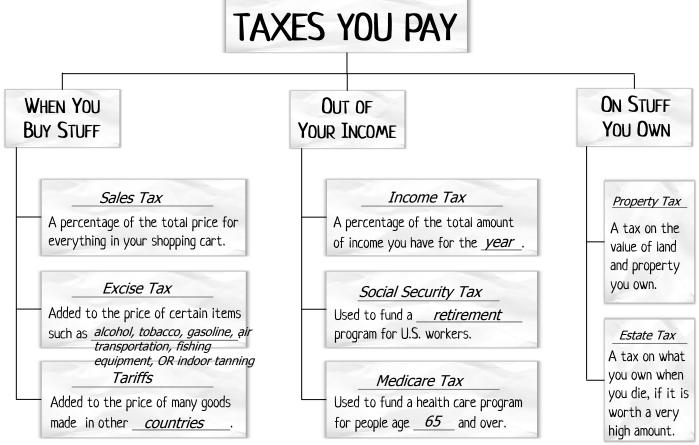
Tax Activity p.2

**A. Which Tax Is It?** Match each scenario with the tax it is describing.



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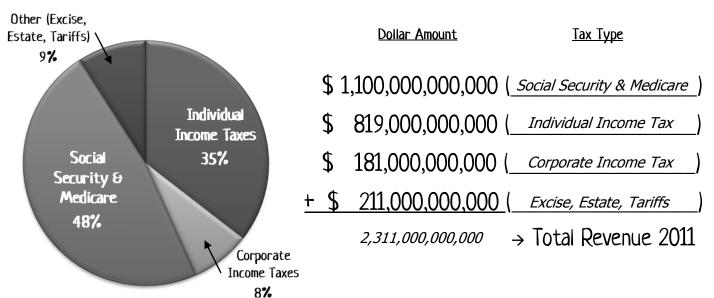
**B. Tax Organizer.** Use what you learned in the reading to complete this graphic organizer.





Taxation Name:

**C. Government Revenue.** Revenue is a fancy word for income. Use the proportions in the chart to help you label each dollar amount. Then <u>add</u> to see the total amount of taxes the federal government received in 2011.



**D. Tax Brackets.** The U.S. has a *progressive* tax system, meaning the more income you have, the higher tax rate you pay. Use the tax table to help you label the rest of Jim's money to show the tax rate he will pay on each part of what he made.

## 2012 TAX TABLE FOR UNMARRIED INDIVIDUALS

Tax Rate	Income	What It Means:
10%	\$0 - \$8,700	You pay 10 percent on your first \$8,700.
15 <b>%</b>	\$8,700 - \$35,350	You pay 15 percent on income over \$8,700 but under \$35,350.
25 <b>%</b>	\$35,350 - \$85,650	You pay 25 percent on income over \$35,350 but under \$85,650.
28 <b>%</b>	\$85,650 - \$178,650	You pay 28 percent on income over \$85,650 but under \$178,650.
33%	\$178,650 - \$388,350	You pay 33 percent on income over \$178,650 but under \$388,350.
35 <b>%</b>	Over \$388,350	You pay 35 percent on every dollar you make over \$388,350.

