

10 The Circular Flow and Gross Domestic Product



- How economists use aggregate measures to track the performance of the economy
- The circular flow diagram of the economy
- What gross domestic product, or GDP, is and the three ways of calculating it

◀ Module 10: The Circular Flow and Gross D... ▶

Almost all countries calculate a set of numbers known as the *national income and product accounts*. In fact, the accuracy of a country's accounts is a remarkably reliable indicator of its state of economic development—in general, the more reliable the accounts, the more economically advanced the country. When international economic agencies seek to help a less developed country, typically the first order of business is to send a team of experts to audit and improve the country's accounts.

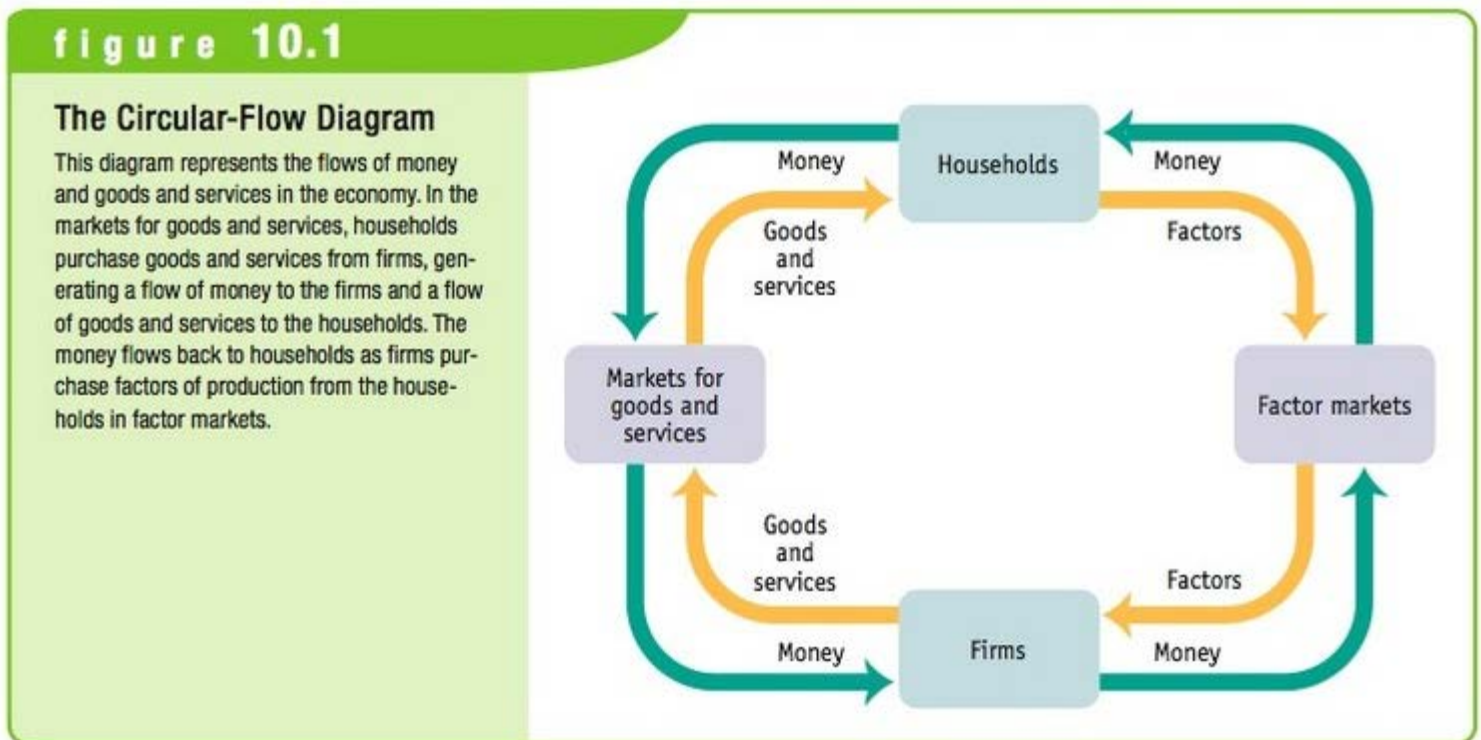
In the United States, these numbers are calculated by the Bureau of Economic Analysis, a division of the U.S. government's Department of Commerce. The **national income and product accounts**, often referred to simply as the **national accounts**, keep track of the spending of consumers, sales of producers, business investment spending, government purchases, and a variety of other flows of money among different sectors of the economy. Let's see how they work.

National income and product accounts, or **national accounts**, keep track of the flows of money between different sectors of the economy.

The Circular-Flow Diagram

To understand the principles behind the national accounts, it helps to look at a graphic called a *circular-flow diagram*. This diagram is a simplified representation of the macroeconomy. It shows the flows of money, goods and services, and factors of production through the economy. It allows us to visualize the key concepts behind the national accounts. The underlying principle is that the flow of money into each market or sector is equal to the flow of money coming out of that market or sector.

The Simple Circular Flow Diagram The U.S. economy is a vastly complex entity, with more than a hundred million workers employed by millions of companies, producing millions of different goods and services. Yet you can learn some very important things about the economy by considering a simple diagram, shown in **Figure 10.1**. This simple model of the macroeconomy represents the transactions that take place by two kinds of flows around a circle: flows of physical things such as goods, services, labor, or raw materials in one direction, and flows of money that pay for these things in the opposite direction. In this case, the physical flows are shown in yellow, the money flows in green.



The simplest circular-flow diagram illustrates an economy that contains only two kinds of “inhabitants”: households and firms. A **household** consists of either an individual or a group of people who share their income. A **firm** is an organization that produces goods and services for sale—and that employs members of households.

As you can see in **Figure 10.1**, there are two kinds of markets in this simple economy. On one side (here the left side) there are markets for goods and services (also known as **product markets**) in which households buy the goods and services they want from firms. This produces a flow of goods and services to the households and a return flow of money to firms.

On the other side, there are **factor markets** in which firms buy the resources they need to produce goods and services. The best known factor market is the *labor market*, in which workers are paid for their time. Besides labor, we can think of households as owning and selling the other factors of production to firms.

A **household** is a person or group of people who share income.

A **firm** is an organization that produces goods and services for sale.

Product markets are where goods and services are bought and sold.

This simple circular-flow diagram omits a number of real-world complications in the interest of simplicity. However, it is a useful aid to thinking about the economy—and we can use it as the starting point for developing a more realistic (and therefore more complicated) circular-flow diagram.

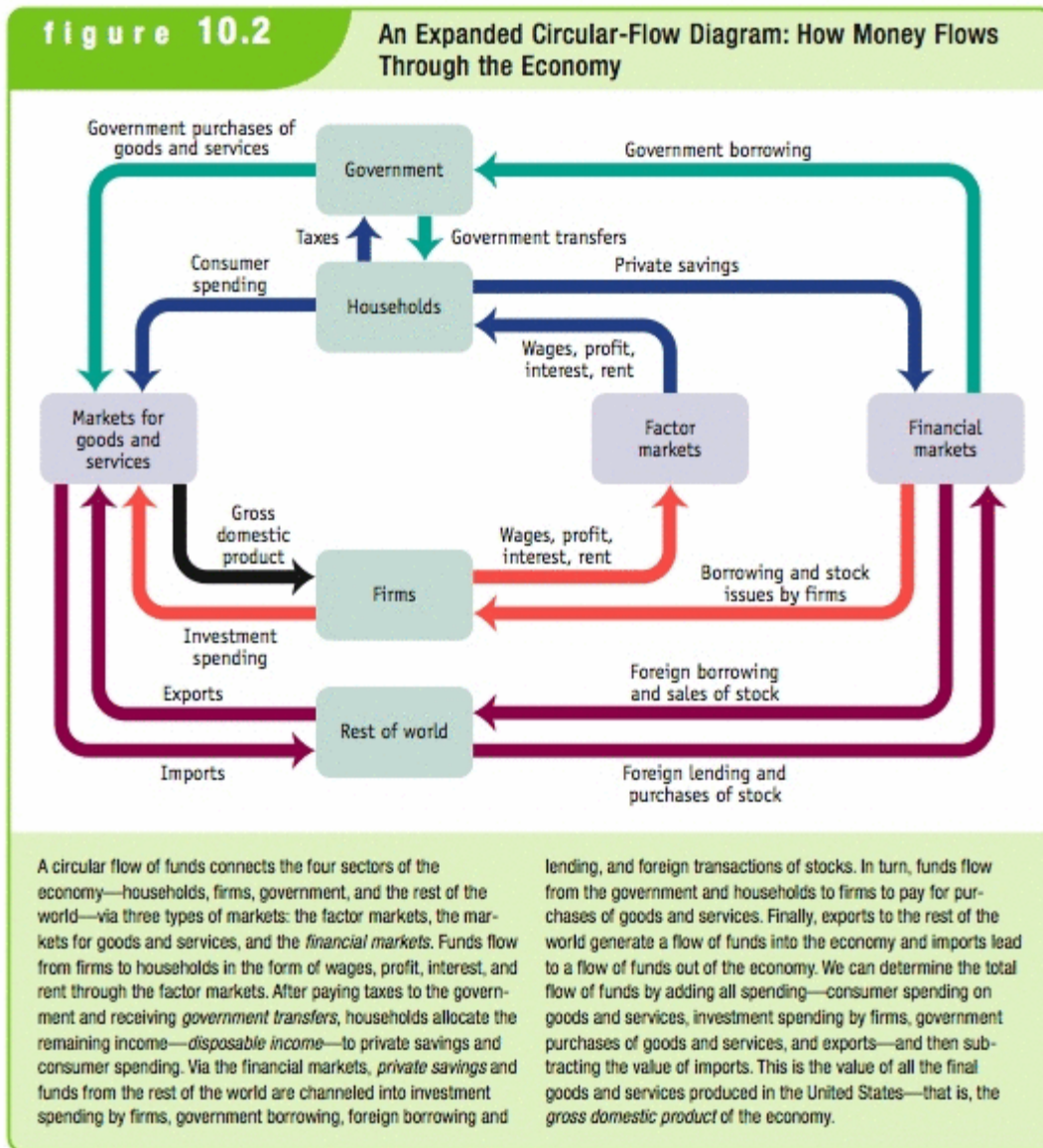
The Expanded Circular-Flow Diagram Figure 10.2 on the next page is a revised and expanded circular-flow diagram. This diagram shows only the flows of money in the economy, but is expanded to include extra elements that were ignored in the interest of simplicity in the simple circular-flow diagram. The underlying principle that the inflow of money into each market or sector must equal the outflow of money coming from that market or sector still applies in this model.

Factor markets are where resources, especially capital and labor, are bought and sold.

Consumer spending is household spending on goods and services.

A **stock** is a share in the ownership of a company held by a shareholder.

A **bond** is a loan in the form of an IOU that pays interest.



In **Figure 10.2**, the circular flow of money between households and firms illustrated in **Figure 10.1** remains. In the product markets, households engage in **consumer spending**, buying goods and services from domestic firms and from firms in the rest of the world. Households also own factors of production—land, labor, and capital. They sell the use of these factors of production to firms, receiving rent, wages, and interest payments in return. Firms buy, and pay households for, the use of those factors of production in factor markets, represented to the right of center in the diagram. Most households derive the bulk of their income from wages earned by selling labor. Some households derive additional income from their indirect ownership of the physical capital used by firms, mainly in the form of **stocks**—shares in the ownership of a company—and **bonds**—loans to firms

in the form of an IOU that pays interest. In other words, the income households receive from the factor markets includes profit distributed to company shareholders and the interest payments on any bonds that they hold. Finally, households receive rent from firms in exchange for the use of land or structures that the households own. So in factor markets, households receive income in the form of wages, profit, interest, and rent via factor markets.

Households spend most of the income received from factors of production on goods and services. However, in **Figure 10.2** we see two reasons why the markets for goods and services don't in fact absorb *all* of a household's income. First, households don't get to keep all the income they receive via the factor markets. They must pay part of their income to the government in the form of taxes, such as income taxes and sales taxes. In addition, some households receive **government transfers**—payments that the government makes to individuals without expecting a good or service in return. Unemployment insurance payments are one example of a government transfer. The total income households have left after paying taxes and receiving government transfers is **disposable income**.

The second reason that the markets for goods and services do not absorb all household income is that many households set aside a portion of their income for **private savings**. These private savings go into **financial markets** where individuals, banks, and other institutions buy and sell stocks and bonds as well as make loans. As **Figure 10.2** shows, the financial markets (on the far right of the circular flow diagram) also receive funds from the rest of the world and provide funds to the government, to firms, and to the rest of the world.

Before going further, we can use the box representing households to illustrate an important general characteristic of the circular-flow diagram: the total sum of flows of money out of a given box is equal to the total sum of flows of money into that box. It's simply a matter of accounting: what goes in must come out. So, for example, the total flow of money out of households—the sum of taxes paid, consumer spending, and private savings—must equal the total flow of money into households—the sum of wages, profit, interest, rent, and government transfers.

Now let's look at the other inhabitants in the circular-flow diagram, including the government and the rest of the world. The government returns a portion of the money it collects from taxes to households in the form of government transfers. However, it uses much of its tax revenue, plus additional funds borrowed in the financial markets through **government borrowing**, to buy goods and services. **Government purchases of goods and services**, the total of purchases made by federal, state, and local governments, includes everything from military spending on ammunition to your local public school's spending on chalk, erasers, and teacher salaries.

The rest of the world participates in the U.S. economy in three ways. First, some of the goods and services produced in the United States are sold to residents of other countries. For example, more than half of America's annual wheat and cotton crops are sold abroad. Goods and services sold to other countries are known as **exports**. Export sales lead to a flow of funds from the rest of the world into the United States to pay for them. Second, some of the goods and services purchased by residents of the United States are produced abroad. For example, many

Government transfers are payments that the government makes to individuals without expecting a good or service in return.

Disposable income, equal to income plus government transfers minus taxes, is the total amount of household income available to spend on consumption and to save.

Private savings, equal to disposable income minus consumer spending, is disposable income that is not spent on consumption.

The banking, stock, and bond markets, which channel private savings and foreign lending into investment spending, government borrowing, and foreign borrowing, are known as the **financial markets**.



Supplies used in public schools, such as the chalk shown here, are among the goods and services purchased by the government. Thinkstock/Comstock/Getty Images

consumer goods are now made in China. Goods and services purchased from residents of other countries are known as **imports**. Import purchases lead to a flow of funds out of the United States to pay for them. Third, foreigners can participate in U.S. financial markets. Foreign lending—lending by foreigners to borrowers in the United States and purchases by foreigners of shares of stock in American companies—generates a flow of funds into the United States from the rest of the world. Conversely, foreign borrowing—borrowing by foreigners from U.S. lenders and purchases by Americans of stock in foreign companies—leads to a flow of funds out of the United States to the rest of the world.

Notice that like households, firms also buy goods and services in our economy. For example, an automobile company that is building a new factory will buy investment goods—machinery like stamping presses and welding robots—from companies that manufacture these items. It will also accumulate an inventory of finished cars in preparation for shipment to dealers. **Inventories**, then, are goods and raw materials that firms hold to facilitate their operations. The national accounts count this **investment spending**—spending on new productive physical capital, such as machinery and buildings, and on changes in *inventories*—as part of total spending on goods and services.

You might ask why changes in inventories are included in investment spending—finished cars aren't, after all, used to produce more cars. Changes in inventories of finished goods are counted as investment spending because, like machinery, they change the ability of a firm to make future sales. So spending on additions to inventories is a form of investment spending by a firm. Conversely, a drawing-down of inventories is counted as a fall in investment spending because it leads to lower future sales. It's also important to understand that investment spending includes spending on the construction of any structure, regardless of whether it is an assembly plant or a new house. Why include the construction of homes? Because, like a plant, a new house produces a future stream of output—housing services for its occupants.

Suppose we add up consumer spending on goods and services, investment spending, government purchases of goods and services, and the value of exports, then subtract the value of imports. This gives us a measure of the overall market value of the goods and services the economy produces. That measure has a name: it's a country's *gross domestic product*. But before we can formally define gross domestic product, or GDP, we have to examine an important distinction between classes of goods and services: the difference between *final goods and services* versus *intermediate goods and services*.

Government borrowing is the amount of funds borrowed by the government in the financial markets.

Government purchases of goods and services are total expenditures on goods and services by federal, state, and local governments.

Goods and services sold to other countries are **exports**. Goods and services purchased from other countries are **imports**.

Inventories are stocks of goods and raw materials held to facilitate business operations.

Investment spending is spending on new productive physical capital, such as machinery and structures, and on changes in inventories.

◀ The Circular-Flow Diagram ▶

Gross Domestic Product

A consumer's purchase of a new car from a dealer is one example of a sale of **final goods and services**: goods and services sold to the final, or end, user. But an automobile manufacturer's purchase of steel from a steel foundry or glass from a glassmaker is an example of a sale of **intermediate goods and services**: goods and services that are inputs into the production of final goods and services. In the case of intermediate goods and services, the purchaser—another firm—is *not* the final user.

Gross domestic product, or **GDP**, is the total value of all *final goods and services* produced in an economy during a given period, usually a year. In 2009 the GDP of the United States was \$14,259 billion, or about \$46,372 per person.

There are three ways to calculate GDP. The first way is to *survey firms and add up the total value of their production of final goods and services*. The second way is to *add up aggregate spending on domestically produced final goods and services in the economy*—the sum of consumer spending, investment spending, government purchases of goods and services, and exports minus imports. The third way of calculating GDP is to *sum the total factor income earned by households from firms in the economy*.

Government statisticians use all three methods. To illustrate how they work, we will consider a hypothetical economy, shown in **Figure 10.3**. This economy consists of three firms—American Motors, Inc., which produces one car per year; American Steel, Inc., which produces the steel that goes into the car; and American Ore, Inc., which mines the iron ore that goes into the steel. GDP in this economy is \$21,500, the value of the one car per year the economy produces. Let's look at how the three different methods of calculating GDP yield the same result.

Final goods and services are goods and services sold to the final, or end, user.

Intermediate goods and services are goods and services bought from one firm by another firm to be used as inputs into the production of final goods and services.

Gross domestic product, or **GDP**, is the total value of all final goods and services produced in the economy during a given year.

Aggregate spending—the total spending on domestically produced final goods and services in the economy—is the sum of consumer spending (C), investment spending (I), government purchases of goods and services (G), and exports minus imports ($X - IM$).

figure 10.3

Calculating GDP

In this hypothetical economy consisting of three firms, GDP can be calculated in three different ways: measuring GDP as the value of production of final goods and services by summing each firm's value added; measuring GDP as aggregate spending on domestically produced final goods and services; and measuring GDP as factor income earned by households from firms in the economy.

Aggregate spending on domestically produced final goods and services = \$21,500

| | American Ore, Inc. | American Steel, Inc. | American Motors, Inc. | Total factor income |
|---|--------------------|----------------------|-----------------------|---------------------|
| Value of sales | \$4,200 (ore) | \$9,000 (steel) | \$21,500 (car) | |
| Intermediate goods | 0 | 4,200 (iron ore) | 9,000 (steel) | |
| Wages | 2,000 | 3,700 | 10,000 | \$15,700 |
| Interest payments | 1,000 | 600 | 1,000 | 2,600 |
| Rent | 200 | 300 | 500 | 1,000 |
| Profit | 1,000 | 200 | 1,000 | 2,200 |
| Total expenditure by firm | 4,200 | 9,000 | 21,500 | |
| Value added per firm = Value of sales – cost of intermediate goods | 4,200 | 4,800 | 12,500 | |

Sum of value added = \$21,500

Total payments to factors = \$21,500

Measuring GDP as the Value of Production of Final Goods and Services

The first method for calculating GDP is to add up the value of all the final goods and services produced in the economy—a calculation that

excludes the value of intermediate goods and services. Why are intermediate goods and services excluded? After all, don't they represent a very large and valuable portion of the economy?

To understand why only final goods and services are included in GDP, look at the simplified economy described in **Figure 10.3**. Should we measure the GDP of this economy by adding up the total sales of the iron ore producer, the steel producer, and the auto producer? If we did, we would in effect be counting the value of the steel twice—once when it is sold by the steel plant to the auto plant and again when the steel auto body is sold to a consumer as a finished car. And we would be counting the value of the iron ore *three* times—once when it is mined and sold to the steel company, a second time when it is made into steel and sold to the auto producer, and a third time when the steel is made into a car and sold to the consumer. So counting the full value of each producer's sales would cause us to count the same items several times and artificially inflate the calculation of GDP.

In **Figure 10.3**, the total value of all sales, intermediate and final, is \$34,700: \$21,500 from the sale of the car, plus \$9,000 from the sale of the steel, plus \$4,200 from the sale of the iron ore. Yet we know that GDP—the total value of all final goods and services in a given year—is only \$21,500. To avoid double-counting, we count only each producer's **value added** in the calculation of GDP: the difference between the value of its sales and the value of the inputs it purchases from other businesses. That is, at each stage of the production process we subtract the cost of inputs—the intermediate goods—at that stage. In this case, the value added of the auto producer is the dollar value of the cars it manufactures *minus* the cost of the steel it buys, or \$12,500. The value added of the steel producer is the dollar value of the steel it produces *minus* the cost of the ore it buys, or \$4,800. Only the ore producer, who we have assumed doesn't buy any inputs, has value added equal to its total sales, \$4,200. The sum of the three producers' value added is \$21,500, equal to GDP.



Steel is an intermediate good because it is sold to other product manufacturers like automakers or refrigerator makers, and rarely to the final consumer. Digitalvision

Measuring GDP as Spending on Domestically Produced Final Goods and Services

Another way to calculate GDP is by adding up aggregate spending on domestically produced final goods and services. That is, GDP can be measured by the flow of funds into firms. Like the method that estimates GDP as the value of domestic production of final goods and services, this measurement must be carried out in a way that avoids double-counting. In terms of our steel and auto example, we don't want to count both consumer spending on a car (represented in **Figure 10.3** by the sales price of the car) and the auto producer's spending on steel (represented in **Figure 10.3** by the price of a car's worth of steel). If we counted both, we would be counting the steel embodied in the car twice. We solve this problem by counting only the value of sales to *final buyers*, such as consumers, firms that purchase investment goods, the government, or foreign buyers. In other words, in order to avoid the double-counting of spending, we omit sales of inputs from one business to another when estimating GDP using spending data. You can see from **Figure 10.3** that aggregate spending on final goods and services—the finished car—is \$21,500.

As we've already pointed out, the national accounts *do* include investment spending by firms as a part of final spending. That is, an auto company's purchase of steel to make a car isn't considered a part of final spending, but

The **value added** of a producer is the value of its

the company's purchase of new machinery for its factory *is* considered a part of final spending. What's the difference? Steel is an input that is used up in production; machinery will last for a number of years. Since purchases of capital goods that will last for a considerable time aren't closely tied to current production, the national accounts consider such purchases a form of final sales.

sales minus the value of its purchases of inputs.

What types of spending make up GDP? Look again at the markets for goods and services in **Figure 10.2**, and you will see that one source of sales revenue for firms is consumer spending. Let's denote consumer spending with the symbol C . **Figure 10.2** shows three other components of sales: sales of investment goods to other businesses, or investment spending, which we will denote by I ; government purchases of goods and services, which we will denote by G ; and sales to foreigners—that is, exports—which we will denote by X .

In reality, not all of this final spending goes toward domestically produced goods and services. We must take account of spending on imports, which we will denote by IM . Income spent on imports is income not spent on domestic goods and services—it is income that has “leaked” across national borders. So to calculate domestic production using spending data, we must subtract spending on imports. Putting this all together gives us the following equation, which breaks GDP down by the four sources of aggregate spending:

$$(10-1) \quad GDP = C + I + G + X - IM$$

where C = consumer spending, I = investment spending, G = government purchases of goods and services, X = sales to foreigners, or exports, and IM = spending on imports. Note that the value of $X - IM$ —the difference between the value of exports and the value of imports—is known as **net exports**. We'll be seeing a lot of Equation 10-1 in later modules!

Measuring GDP as Factor Income Earned from Firms in the Economy

A final way to calculate GDP is to add up all the income earned by factors of production in the economy—the wages earned by labor; the interest earned by those who lend their savings to firms and the government; the rent earned by those who lease their land or structures to firms; and the profit earned by the shareholders, the owners of the firms' physical capital. This is a valid measure because the money firms earn by selling goods and services must go somewhere; whatever isn't paid as wages, interest, or rent is profit. And part of profit is paid out to shareholders as *dividends*.

Net exports are the difference between the value of exports and the value of imports ($X - IM$).

Figure 10.3 shows how this calculation works for our simplified economy. The shaded column at the far right shows the total wages, interest, and rent paid by all these firms as well as their total profit. Summing up all of these yields a total factor income of \$21,500—again, equal to GDP.

We won't emphasize the income method as much as the other two methods of calculating GDP. It's important to keep in mind, however, that all the money spent on domestically produced goods and services generates factor income to households—that is, there really is a circular flow.

The Components of GDP Now that we know how GDP is calculated in principle, let's see what it looks like in practice.

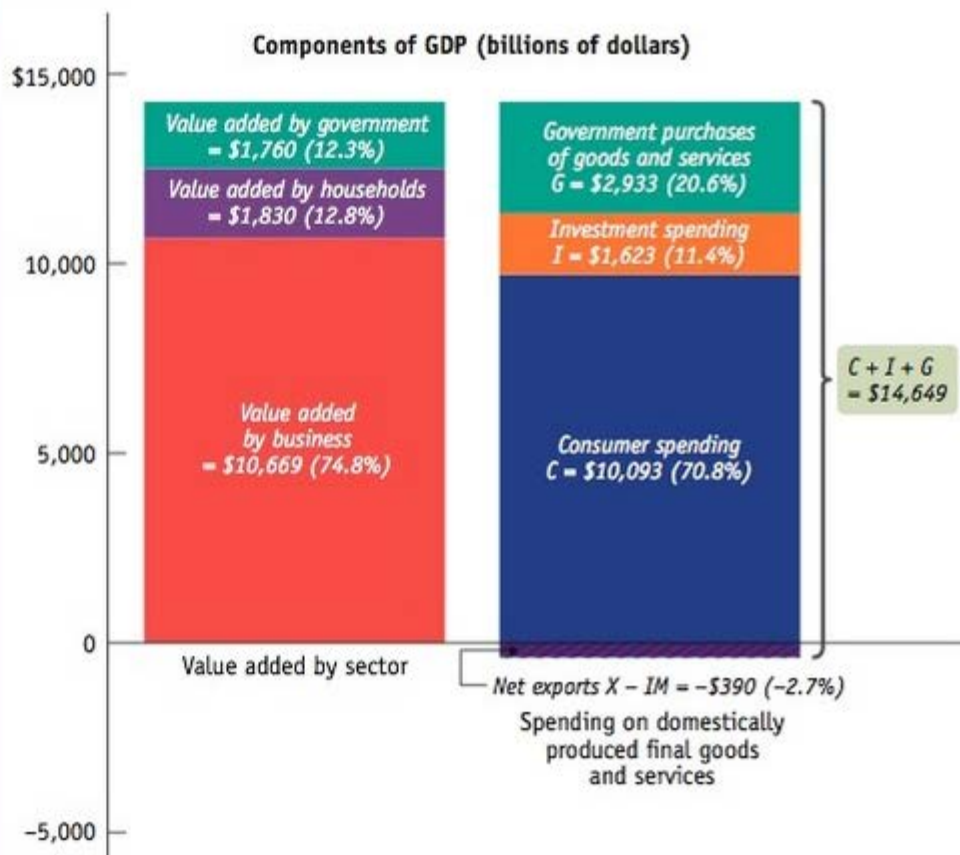
Figure 10.4 shows the first two methods of calculating GDP side by side. The height of each bar above the horizontal axis represents the GDP of the U.S. economy in 2009: \$14,259 billion. Each bar is divided to show the breakdown of that total in terms of where the value was added and how the money was spent.

figure 10.4

**U.S. GDP in 2009:
Two Methods of
Calculating GDP**

The two bars show two equivalent ways of calculating GDP. The height of each bar above the horizontal axis represents \$14,259 billion, U.S. GDP in 2009. The left bar shows the breakdown of GDP according to the value added of each sector of the economy. The right bar shows the breakdown of GDP according to the four types of aggregate spending: $C + I + G + X - IM$. The right bar has a total length of \$14,259 billion + \$390 billion = \$14,649 billion. The \$390 billion, shown as the area extending below the horizontal axis, is the amount of total spending absorbed by net imports (negative net exports) in 2009. (Percentages don't add up to 100 due to rounding.)

Source: Bureau of Economic Analysis.



In the left bar in **Figure 10.4**, we see the breakdown of GDP by value added according to sector, the first method of calculating GDP. Of the \$14,259 billion, \$10,669 billion consisted of value added by businesses. Another \$1,760 billion consisted of value added by government, in the form of military, education, and other government services. Finally, \$1,830 billion of value added was added by households and institutions. For example, the value added by households includes the value of work performed in homes by professional gardeners, maids, and cooks.

The right bar in **Figure 10.4** corresponds to the second method of calculating GDP, showing the breakdown by the four types of aggregate spending. The total length of the right bar is longer than the total length of the left bar, a difference of \$390 billion (which, as you can see, extends below the horizontal axis). That's because the total length of the right bar represents total spending in the economy, spending on both domestically produced and foreign-produced—imported—final goods and services. Within the bar, consumer spending (C), which is 70.8% of GDP, dominates the picture. But some of that spending was absorbed by foreign-produced goods and services. In 2009, the value of net exports, the difference between the value of exports and the value of imports ($X - IM$ in Equation 10-1), was negative—the United States was a net importer of foreign goods and services. The 2009 value of $X - IM$ was $-\$390$ billion, or -2.7% of GDP. Thus, a portion of the right bar extends below the horizontal axis by \$390 billion to represent the amount of total spending that was absorbed by net imports and so did not lead to higher U.S. GDP. Investment spending (I) constituted 11.4% of GDP; government purchases of goods and services (G) constituted 20.6% of GDP.

GDP: What's In and What's Out? It's easy to confuse what is included and what isn't included in GDP. So let's stop here and make sure the



distinction is clear. Don't confuse investment spending with spending on inputs. Investment spending—spending on productive physical capital, the construction of structures (residential as well as commercial), and changes to inventories—is included in GDP. But spending on inputs is not. Why the difference? Recall the distinction between resources that are *used up* and those that are *not used up* in production. An input, like steel, is used up in production. A metal-stamping machine, an investment good, is not. It will last for many years and will be used repeatedly to make many cars. Since spending on productive physical capital—investment goods—and the construction of structures is not directly



The U.S. is a net importer of goods and services, such as these toys made on a production line in China. Photo by Feng Li/Getty Images

—and the construction of structures is not directly tied to current output, economists consider such spending to be spending on final goods. Spending on changes to inventories is considered a part of investment spending so it is also included in GDP. Why? Because, like a machine, additional inventory is an investment in future sales. And when a good is released for sale from inventories, its value is subtracted from the value of inventories and so from GDP. Used goods are not included in GDP because, as with inputs, to include them would be to double-count: counting them once when sold as new and again when sold as used.

Also, financial assets such as stocks and bonds are not included in GDP because they don't represent either the production or the sale of final goods and services. Rather, a bond represents a promise to repay with interest, and a stock represents a proof of ownership. And for obvious reasons, foreign-produced goods and services are not included in calculations of gross *domestic* product.

Here is a summary of what's included and not included in GDP:

Included

- Domestically produced final goods and services, including capital goods, new construction of structures, and changes to inventories

Not Included

- Intermediate goods and services
- Inputs
- Used goods
- Financial assets such as stocks and bonds
- Foreign-produced goods and services

Check Your Understanding

1. Explain why the three methods of calculating GDP produce the same estimate of GDP.

[Answer Field]

Show Answer

2. Identify each of the sectors to which firms make sales. What are the various ways in which households are linked with other sectors of the economy?

[Answer Field]

Show Answer

3. Consider **Figure 10.3**. Explain why it would be incorrect to calculate total value added as \$30,500, the sum of the sales price of a car and a car's worth of steel.

[Answer Field]

Show Answer

◀ Check Your Understanding ▶

Tackle the Test: Multiple-Choice Questions

1. Which of the following is true? The simple circular-flow diagram
- I. includes only the product markets.
 - II. includes only the factor markets.
 - III. is a simplified representation of the macroeconomy.
- a. I only
 - b. II only
 - c. III only
 - d. I and III only
 - e. none of the above

[Answer Field]

Show Answer

2. GDP is equal to
- a. the total value of all goods and services produced in an economy during a given period.
 - b. $C + I + G + IM$.
 - c. the total value of intermediate goods plus final goods.
 - d. the total income received by producers of final goods and services.
 - e. none of the above.

[Answer Field]

Show Answer

3. Which of the following is included in GDP?
- a. changes to inventories
 - b. intermediate goods
 - c. used goods
 - d. financial assets (stocks and bonds)
 - e. foreign-produced goods

[Answer Field]

Show Answer

4. Which of the following is *not* included in GDP?
- a. capital goods such as machinery
 - b. imports
 - c. the value of domestically produced services
 - d. government purchases of goods and services
 - e. the construction of structures

[Answer Field]

Show Answer

5. Which of the following components makes up the largest percentage of GDP measured by aggregate spending?
- a. consumer spending
 - b. investment spending
 - c. government purchases of goods and services
 - d. exports
 - e. imports

[Answer Field]

Show Answer

Tackle the Test: Free-Response Questions

1. Will each of the following transactions be included in GDP for the United States? Explain why or why not.

a. Coca-Cola builds a new bottling plant in the United States.

[Answer Field]

b. Delta sells one of its existing airplanes to Korean Air.

[Answer Field]

c. Ms. Moneybags buys an existing share of Disney stock.

[Answer Field]

d. A California winery produces a bottle of Chardonnay and sells it to a customer in Montreal, Canada.

[Answer Field]

e. An American buys a bottle of French perfume in Tulsa.

[Answer Field]

f. A book publisher produces too many copies of a new book; the books don't sell this year, so the publisher adds the surplus books to inventories.

[Answer Field]

Answer (6 points)

1 point: Yes. New structures built in the United States are included in U.S. GDP.

1 point: No. The airplane is used, and sales of used goods are not included in GDP.

1 point: No. This is a transfer of ownership—not new production.

1 point: Yes. This is an export.

1 point: No. This is an import—it was not produced in the United States.

1 point: Yes. Additions to inventories are considered investments.

2. Draw a correctly labeled circular-flow diagram showing the flows of funds between the markets for goods and services and the factor market. Add the government to your diagram, and show how money leaks out of the economy to the government and how money is injected back into the economy by the government.

[Answer Field]

Show Answer