

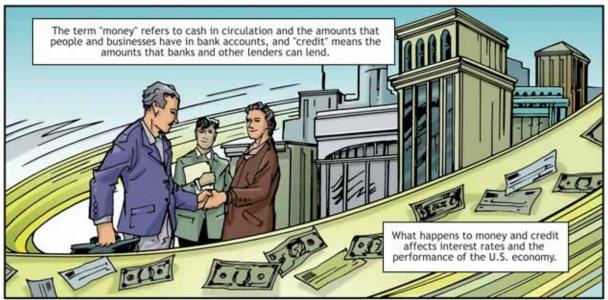
A while later, after interest rates had risen further, members of the construction industry demonstrated their unhappiness by sending some two-by-fours to the Federal Reserve Board.



What the farmers and the builders were protesting was the Federal Reserve's monetary policy. But what is monetary policy, anyway?



The term "monetary policy" refers to what the Federal Reserve, the nation's central bank, does to influence the amount and cost of money and credit in the U.S. economy.

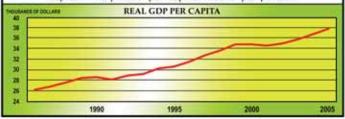




We expect the economy to perform in certain ways — ways that are influenced by what happens to money and credit. For example, we expect the economy to grow, so that we can enjoy a rising standard of living.



In other words, we want the economy to provide an increasing amount of goods and services for each American to enjoy. Economists call that rising "real GDP per capita." The phrase "per capita" means "per person."



"GDP" stands for gross domestic product, the dollar value of the nation's output of goods and services. Over time, GDP rises for two reasons — one is that the economy's output increases, and the other is that prices rise.



"Real" GDP data eliminate the effects of the price increase and thus show only the changes in actual output. We want the economy to grow, not only to give us a rising standard of living, but also to provide jobs for people who enter the labor force each year.



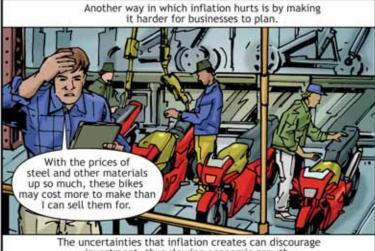
Growth is one of our economic goals. Another is price stability. We want to avoid an inflationary economy — where you have a sustained and rapid increase in the price level.



Inflation is undesirable for several reasons. One is that inflation is unfair and makes some people worse off because their incomes don't rise as rapidly as prices.

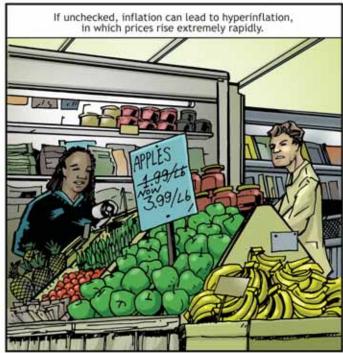






investment, thus slowing economic growth.





Hyperinflation has occurred a number of times — for example in Hungary after World War II, Argentina in the 1980's and Brazil in the 1990s. Some episodes of hyperinflation have led to great social unrest.



Money and credit must grow at a pace that allows economic activity to expand at a sustainable rate without excessive price increases.



If money and credit grow too slowly, people and businesses will not be able to get the loans they need for new homes and equipment.



The lack of funds for loans will, in turn, lead to slow growth in the economy, or even to recession — a period in which the output of the economy actually declines.



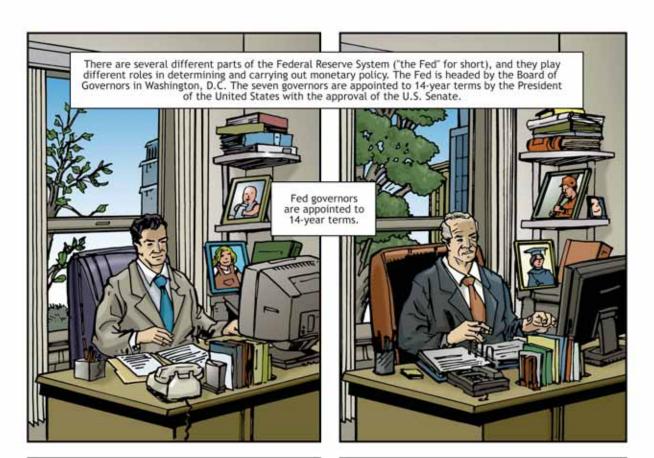


If money and credit increase too rapidly, the result will be inflation.



The responsibility for making sure that the nation's money supply grows at the appropriate rate lies with the nation's central bank, the Federal Reserve.





One governor's term expires at the end of January each even-numbered year. The scheduling makes it untikely that any U.S. president would appoint a majority of the seven Fed governors in one term. Of course, if a governor resigns before the end of a term, the president gets to make an interim appointment.



The staggered 14-year terms help insulate the Fed from day-to-day political pressures. Unlike most other government officials, the members of the Federal Reserve Board, including the chairman, keep their jobs when a new U.S. president comes into office, and they can't be fired because of policy differences with the president.





It's important for the Fed to be free of short-term political pressure as it fights inflation. Indeed, some research shows that the more independence a nation's central bank has, the more success the country has in avoiding inflation.



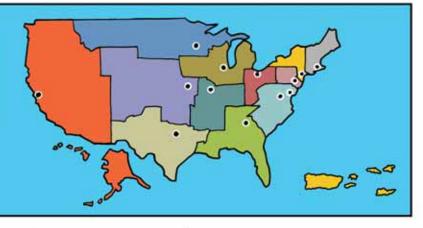
The reason that a central bank needs independence is that fighting inflation requires actions that limit the growth of money and credit, and those actions may cause some temporary — but unpopular — business slowdowns and unemployment in the economy.



While the Fed's decision making is independent, the head of the Federal Reserve is required by law to present testimony explaining the Fed's monetary policy plans to Congress twice a year. Congress invited at other times, too.



In addition to the Board of Governors, the Federal Reserve System also consists of Federal Reserve Banks around the country.



The seven members of the Board of Governors and the presidents of five Reserve Banks are the voting members of the Federal Open Market Committee (FOMC). The FOMC meets in Washington, D.C., eight times a year, to determine the course of monetary policy.



The president of the Federal Reserve Bank of New York is always a voting member and serves as vice chairman of the committee, while the presidents of the other Reserve Banks serve one-year terms on a rotating basis.



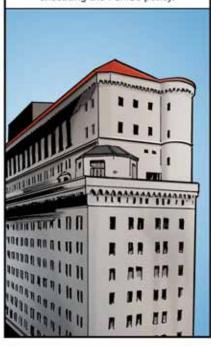
Before reaching its decision, the FOMC studies a wide variety of economic and financial data. The committee has to consider, for example, how rapidly the economy is growing and whether inflation appears to be a problem.



The committee also considers the analyses that the Federal Reserve Banks prepare reporting on economic conditions within their districts.



After reaching a decision on what monetary policy to pursue, the FOMC sends instructions to the domestic money market desk ("the desk") at the Federal Reserve Bank of New York, which has the responsibility for executing the FOMC's policy.



The FOMC's instructions include a target for the federal funds rate, the interest rate banks charge one another on short-term loans of excess reserves.



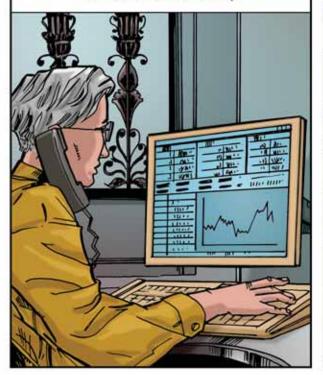
The desk works to keep the federal funds rate at, or near, the FOMC's target by buying and selling U.S. government securities, which are IOU's of the federal government, and certain other types of securities. The desk conducts these transactions electronically.



The desk's transactions take place with a number of securities firms that are designated as primary dealers. These are securities dealers authorized by the Fed to engage in transactions with the desk. How does the Fed decide which primary dealers to buy securities from or sell to on a particular day?



When the Fed wants to buy securities, it asks the primary dealers which securities they choose to sell to the Fed. The desk then selects those securities that best meet its needs for that day.





The Fed's buying and selling of securities is known as "open market operations." The term "open market" means that the Fed decides which securities dealers it will do business with on a particular day. The choice emerges from the "open market" in which dealers compete on the basis of price and other characteristics of the securities they buy and sell.





Open market operations are intended mainly to offset fluctuations in bank reserves that result from seasonal or other technical factors.



If the Fed didn't counteract these influences, short lived, but undesirable, changes in short-term interest rates might result. One such influence might be a change in the amount of cash people want to hold.

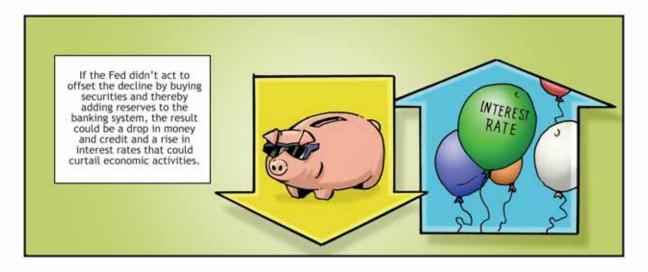


The amount of cash that the public holds is not constant. It increases, for example, during busy shopping seasons.



When people withdraw cash from banks — to go shopping, for example — banks' reserves and the amounts they can lend decline.





The Fed does act, though, during the times of the year when bank reserves are low. During those times, the Fed often buys securities to boost bank reserves. When reserves are unusually high, the Fed often sells securities to temporarily absorb, or drain, some reserves from the banking system. Thus, the Fed tries to keep bank reserves, money and credit, and the economy on a smooth and appropriate path.



The Fed was especially busy buying securities in late 1999, when people took a lot of cash out of banks because of worries about possible bank computer problems in January 2000.



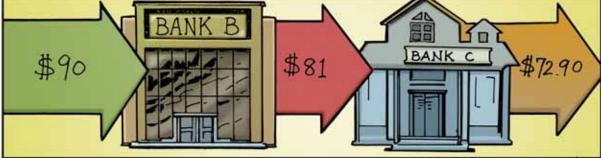
In addition to open market operations, the Fed has two other major monetary policy tools: reserve requirements and the discount rate.



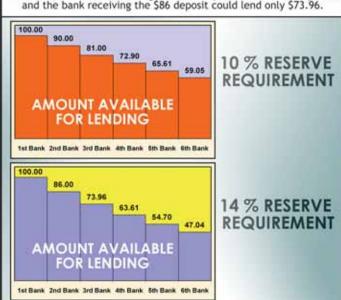
Reserve requirements are the portion of deposits that banks have to keep either on hand or on deposit at a Federal Reserve Bank. For example, if the reserve requirement is 10%, a bank that receives a \$100 deposit may lend \$90 of that \$100, but it may not lend the other \$10.



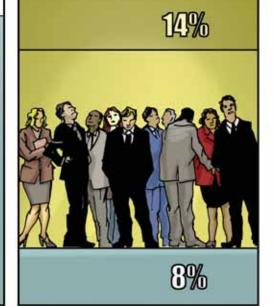
Whoever borrows the \$90 is likely to pay someone who will deposit the \$90 in another bank. That bank, in turn, can lend 90% of \$90, or \$81. Then the bank that gets the \$81 deposit can lend 90% of \$81, or \$72.90.



Through this process, the banking system creates money; the level of reserve requirements influences how much money banks can create. The higher the reserve requirements, the greater the restraint on bank lending. If, for example, the reserve requirement were 14%, the banks receiving the \$100 deposit could lend only \$86, and the bank receiving the \$86 deposit could lend only \$73.96.



The Monetary Control Act of 1980 authorizes the Fed's Board of Governors to set reserve requirements no lower than 8% and no higher than 14% on checking accounts.



In April 1992, the Fed cut the requirement from 12% to 10%. Why do you think the Fed did that?

RESERVE REQUIREMENT

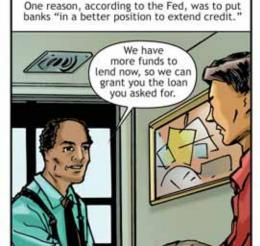
13%

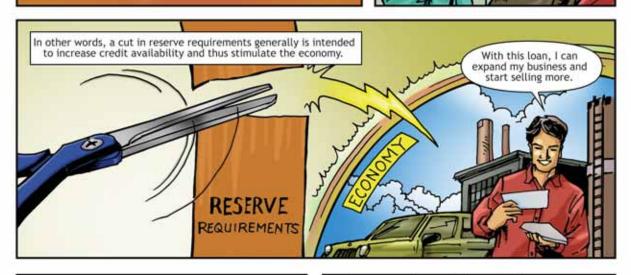
11%

19%

1992

2005







One reason they are infrequent is that reserve requirements impose a cost, which is like an added tax on banks —a cost that other types of financial firms do not have to bear.



Also, reserve requirements are an unwieldy tool to use on a day-to-day basis, because it would be complex and costly for banks to comply with frequent changes.



Still, reserve requirements affect how banks manage the money they lend and the deposits they take in. In turn, this influences the federal funds rate, the target of monetary policy.

Because of these reserve requirements, we have to manage our banking business more carefully.





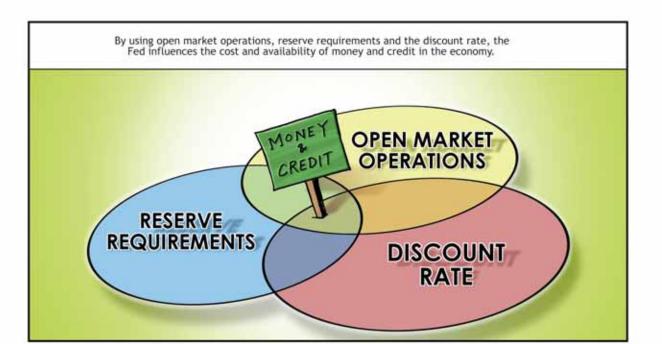




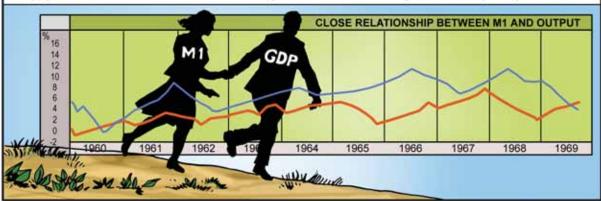
For example, toward the middle of 2005, the FOMC raised the discount rate repeatedly in small steps. These increases removed some of the potential for future inflation caused by very low interest rates stimulating the economy unnecessarily.



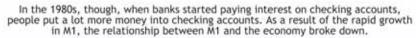


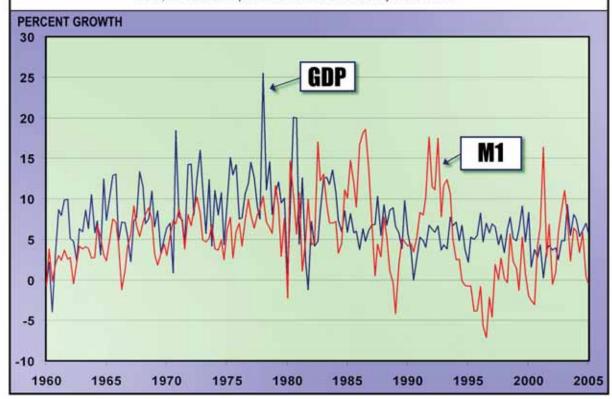


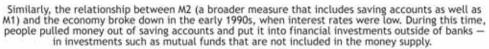
Over the years, changes in the relationship between the money supply and the economy have complicated the Fed's job of formulating monetary policy. For many years, changes in the economy were closely related to changes in a money supply measure called M1, which consists of currency in circulation and checking accounts at depository institutions.

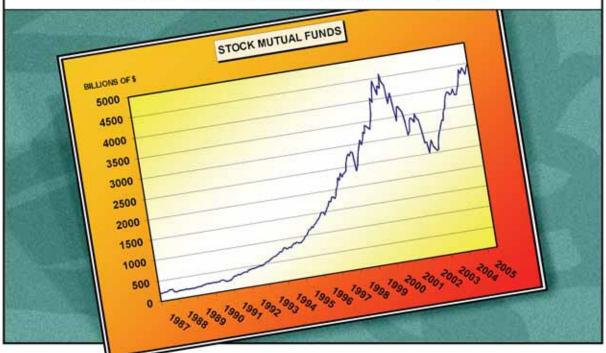


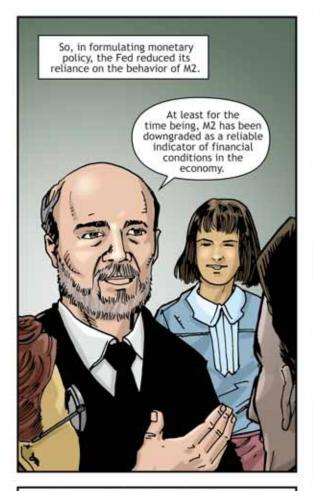














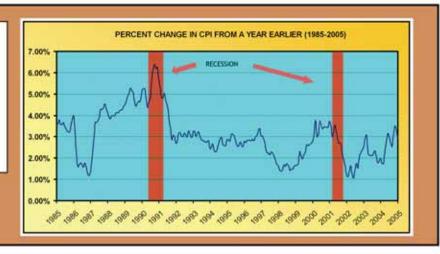
For example, the Fed considers changes in employment in the United States, as well as movements in the unemployment rate, which tells us the percentage of the people in the country who want jobs but don't have one.



The unemployment rate is related to the build-up of inflationary pressures. For example, when unemployment is low and firms want to expand production, they may not find the key people they need at current wage levels. Instead, they may have to pay their own workers higher overtime pay or offer wages high enough to attract workers from other firms.

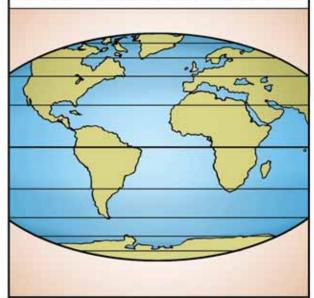


The Fed also looks at a variety of inflation measures, including the consumer price index (CPI), which measures changes in the prices that consumers pay for things like food, clothing, rent and entertainment.

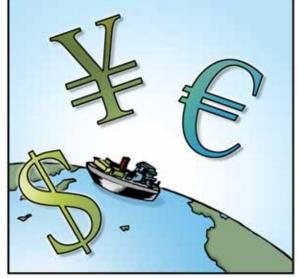




International considerations complicate the making of monetary policy. In particular, international forces, including policies of other countries, can have substantial effects on the dollar exchange rate and U.S. interest rates.



In recent years, international trade and international financial activity, such as U.S. bank lending abroad, have grown rapidly. As a result, the Fed has to be concerned about the value of the dollar, as measured in terms of foreign currencies.





American goods are more expensive, though, so foreigners may buy fewer of them, reducing U.S. exports and jobs. When the dollar is weaker, foreigners find U.S. goods cheaper to import, so U.S. industries can export more.



A weak dollar can aggravate inflationary pressures in the United States.

