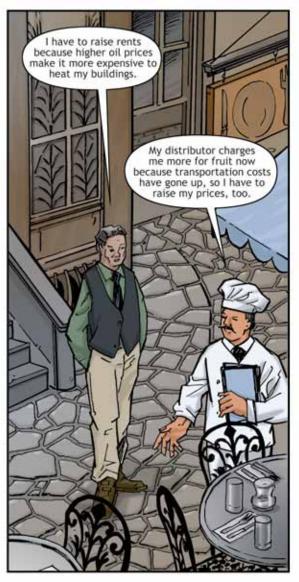




Of course, a large increase in the price of one item can sometimes lead to rapid inflation — that is to a rapid increase in the general price level. For example, a very rapid rise of oil prices could lead to a rise in the general price level, because oil plays a key role throughout our economy.







Some economists use the term "cost-push inflation"

to refer to the type of inflation that begins when

rising production costs cause an increase in prices. "Demand-pull inflation" occurs when people's ability



What's wrong with inflation anyway? After all, if prices go up, people who sell things will receive more dollars than they did before. That means that incomes go up too. What's wrong with that?



One answer is that not everyone's income goes up as much as prices do. People whose incomes rise less than prices – or don't rise at all – are hurt by inflation. They are unable to buy all the things they used to with their income.



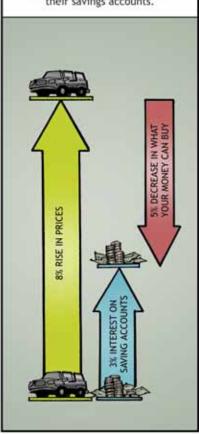
Among those hurt by inflation are lenders who charge interest rates that are lower than the rate of inflation. For example, suppose someone extends a one-year loan at an interest rate of 5% and then prices go up 10% during the year. The lender will be repaid with money that has less purchasing power that did the money he parted with a year earlier.



Many retired people are hurt by inflation because their pensions don't keep up with increases in the price level.



Inflation also reduces the value of people's savings when price increases are larger than the interest rates that people receive on their savings accounts.



Because inflation reduces the value of savings, it gives people an incentive to spend rather than save.



By discouraging saving, inflation can harm the U.S. economy. That's because the economy needs a supply of savings to provide the funds for people and businesses to borrow so that they can invest in the things that help the U.S. economy grow.



Inflation can hurt, too, by giving people an incentive to invest in ways that don't help the economy grow.

I'm investing in jewelry because I'm worried about inflation, and I think that jewelry will rise in value faster than other prices will go up.

If I put my savings into the bank instead, I'm afraid that inflation will reduce the real purchasing power of my bank account.

To enable people to protect the purchasing power of their savings, the federal government began issuing inflation-indexed bonds in 1997. These bonds allow people to lend to the government and then be repaid an amount that will rise in relation to how much prices rise.



Inflation has other undesirable effects. Increases in prices make it more difficult for businesses to plan.

With lumber prices going up so fast, I'm trying to stock up before the next price increase. Meanwhile, I'm worried that in order to cover my costs, I'll have to charge such high prices for my houses that nobody will want to buy them.

Inflation feeds on itself. When a flour mill has to pay higher prices for wheat, for example, it has to charge higher prices for the flour it sells. The bakeries that buy the flour then have to charge higher prices for the bread and cakes they sell.





In fact, since World War II, most recessions have followed a sustained increase in the core rate of inflation.



"Core" inflation refers to increases in the general price level, excluding food and energy prices. Those prices are excluded because they are influenced by special — and temporary — factors, such as weather conditions or production decisions made by oil-exporting countries, so they may present a misleading picture of continuing price pressures in the economy.







A very notable episode of hyperinflation occurred in Germany in the 1920s and led to great social unrest in that country. In the German hyperinflation, the real purchasing power of money fell so low that the German currency, the mark, became a cheaper fuel than firewood.



We have seen that inflation can cause uncertainty and economic and social instability. But what causes inflation?



The answer is that inflation results when there is too much money and credit around in relation to the amount of goods and services. By "money," we mean cash in circulation and the amounts that people and businesses have in bank accounts. "Credit" refers to the amounts that banks and other lenders have lent or have available to lend.





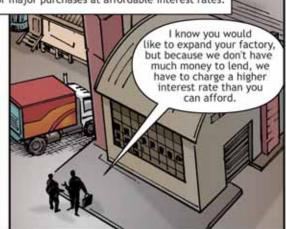


and lead to inflation.

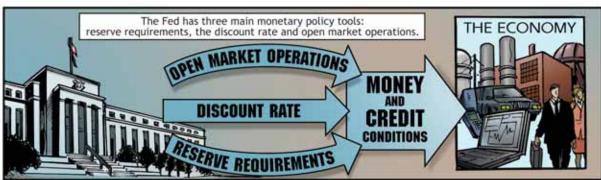


The Fed's job of influencing money and credit conditions in the economy often is a balancing act. If money and credit grow too rapidly, inflation can result. If they grow too slowly, the result can be a recession.

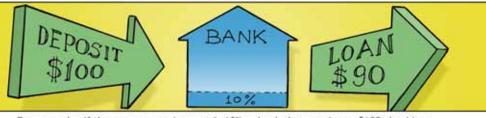








Reserve requirements are the proportions of deposits that banks must keep either in their own vault or on deposit with the Fed. (Actually, reserve requirements apply not only to banks, but also to other types of institutions that accept deposits – credit unions, for example. In this case, though, we'll use the term "banks.")



For example, if the reserve requirement is 10%, a bank that receives a \$100 checking account deposit must keep \$10, either in its own vault or on deposit at the Federal Reserve.



In practice, the Fed does not change reserve requirements very often. In 2008, for example, the reserve requirement on checking accounts had been unchanged at 16% for 14 years.



The discount rate is the interest rate that the Fed charges on short-term loans to banks for any reason.



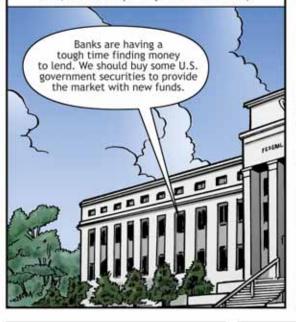
When the Fed lowers the discount rate, it may be an indication that it would like to see an increase in credit — and in economic activity. When the Fed raises the discount rate, it may be issuing a signal that it wants to "cool off the economy," because it is concerned about the threat of inflation.



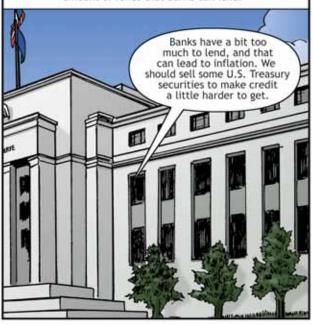
Open market operations are the monetary policy tool that the Fed uses most often. These operations, which are carried out by the Federal Reserve Bank of New York on behalf of the entire Federal Reserve System, consist of buying or selling U.S. government securities from firms known as primary dealers.



When the Fed buys government securities, it pays for them by crediting the account that the primary dealer's bank has at the Fed. (The bank, in turn, credits the primary dealer's account.)



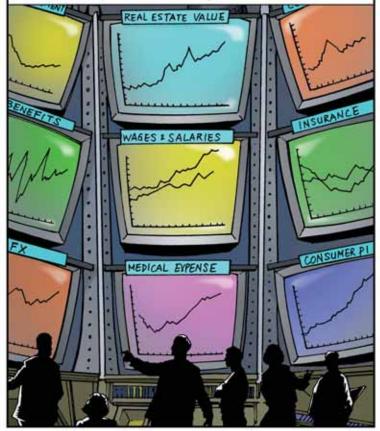
When the Fed sells securities, it receives the payment from the bank of the buyer. That reduces the total amount of funds that banks can lend.



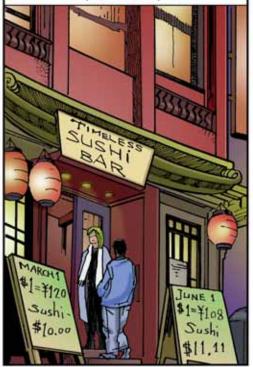
Because inflation is so hard to stop once it gets started, the Fed watches for signs of future inflation, so that it can keep the problem contained.



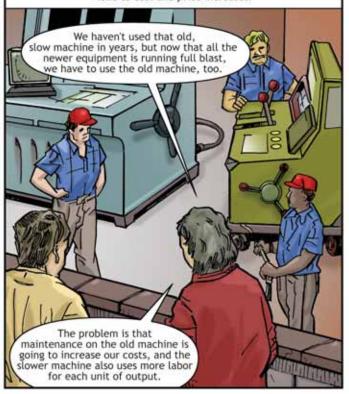
Federal Reserve economists monitor increases in wages, salaries and benefits paid to workers – which reflect the bargaining power of employees, rising costs of medical care and other insurance and potential demand for goods and services.



The Fed keeps track of the value of the U.S. dollar relative to the currencies of major trading partners. For example, depreciation in the dollar relative to Japan's currency, the yen, increases the price of everything imported from Japan.



Similarly, the Fed watches data on the use of manufacturing capacity. When capacity utilization gets very high, companies may have to start using less efficient machinery, and that can lead to cost and price increases.

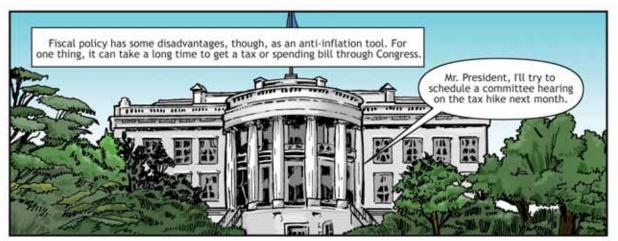


Fiscal policy, which involves the use of government spending and taxes, is another anti-inflation tool. If inflation threatens, the government can cut its spending and thereby reduce demand for the available supply of goods and services.



To fight inflation, the government could also raise personal income taxes, thus reducing spendable income and the private demand for goods and services.





Also, tax increases and spending cuts can be politically unpopular, and members of Congress may be reluctant to vote for them. The country needs a tax hike to fight inflation, but how will I explain that to the voters in November? Our constituents will never forgive us if we vote not to fund increased economic and financial education and build bridges.

Another disadvantage of using government expenditure cuts to fight inflation is that it can be wasteful to turn spending on and off depending on whether or not inflation is a concern.



For this reason, monetary policy has become the major weapon against inflation.

MORNING STAR

MORNING STAR

MORNING STAR

FED WEIGHS

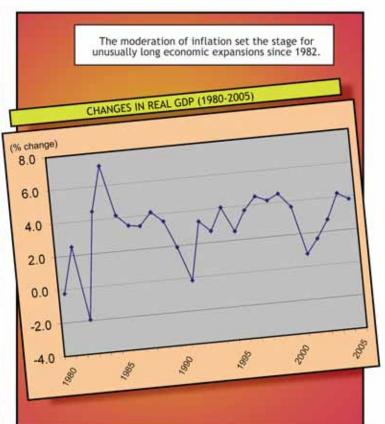
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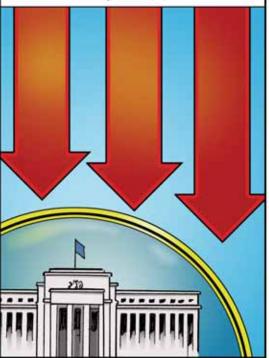
TWFLATION

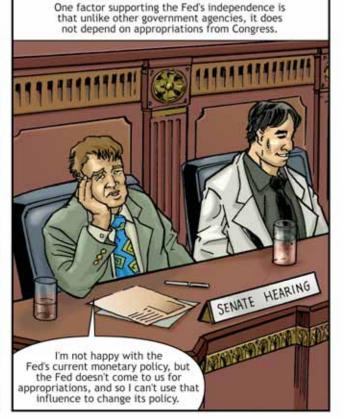
The changes in monetary policy that sometimes are needed to reduce inflation can impose some short-term pain on the economy. For example, to get rid of very rapid inflation in the early 1980s, the Fed had to accept a severe recession in 1981-1982.





Congress structured the Federal Reserve System to shelter it from day-to-day political pressures, so that the Fed could pursue policies that promote long-term economic growth, that might be unpopular.





The Fed is self-financing; the interest it earns on the U.S. government securities it owns provides the income needed to carry out its duties.



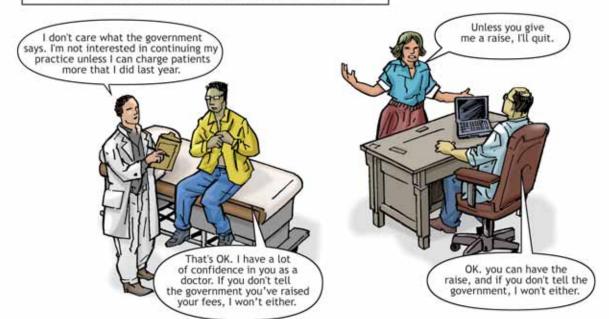
Why do we have to use monetary policy to prevent inflation? Why can't we prevent inflation directly, by placing limits on how much wages and prices rise?

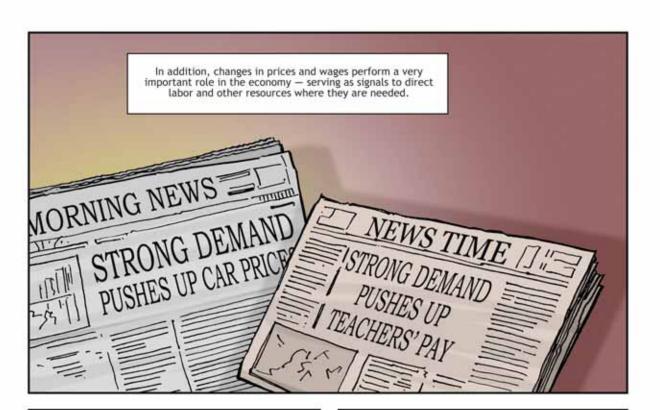


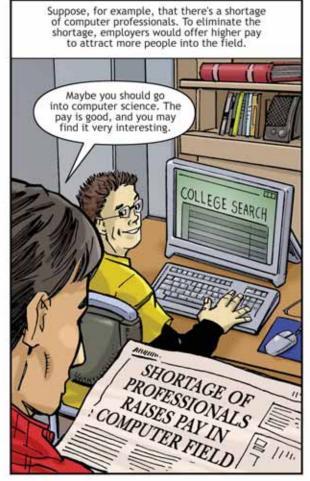
One answer is that it would be very hard to impose price controls on items that we import.

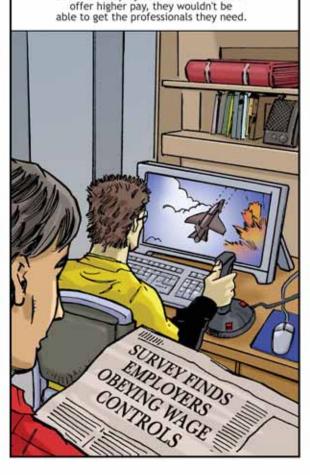


Also, price and wage controls are very hard to enforce because both buyers and sellers (in the case of price controls) and both employers and workers (in the case of wage controls) may wish to violate them.

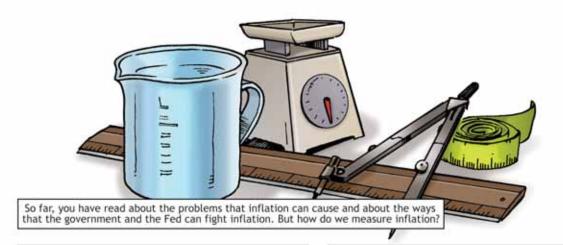








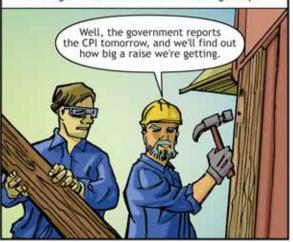
But if the employers weren't allowed to



The government has several measures of inflation. The best known is the consumer price index (CPI), which measures the prices of items bought by consumers in metropolitan areas. Those items cover a wide range of goods and services — food, clothing, housing, transportation, recreation, laundry services and much more.



The CPI has a direct effect on the lives of many individuals and groups. For example, many employers link wage increase to how much the CPI goes up.



To produce the CPI data, the U.S. Department of Labor keeps track of changes in a wide variety of consumer prices.

Labor Department employees visit many stores each month to check on price movements.





Core inflation" measures changes in the general price level with food and energy prices excluded, and thus provides a more accurate gauge of continuing price pressures. Percent Change in CPI 16.00 for all items 14.00 Change in CPI minus 12.00 food and energy 10:00 8.00 6.00 4.00 2.00 1970 1974 1978 1982 1986 1990 1991

Many economists think that the consumer price index overstates increases in the cost of living. One reason is that while the CPI accurately measures price increases, it doesn't fully recognize the improvements that occur in the quality of the things we buy.







The accuracy with which the CPI measures inflation has a significant effect on the budget of the federal government. That's because certain benefits, such as social security, are based on how much the CPI rises.

COST OF LIVING INCREASE IN SOCIAL SECURITY BENEFITS

4.0%

3.5%

3.0%

2.5%

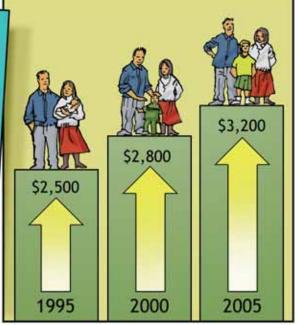
1.5%

1.0%

0.5%

0.0%

The CPI also affects the revenue side of the federal budget. For example, the personal exemption under the income tax — the amount of tax-free income per person to which a family is entitled — increases each year, based on the increase in the CPI.



If the CPI overstates inflation, then the personal exemption increases too much each year, and the federal government loses tax revenue as a result.

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005



Whatever its imperfection, the CPI remains the most commonly used inflation measure. What does the CPI tell us about how well the United States has managed to control inflation? In the 1970s and early 1980s, as we saw earlier, inflation was often very rapid, even reaching double-digit annual rates, but...

