

This lesson examines the historical events leading up to and following the two major stock market crashes of the twentieth century, and compares the reactions of the Federal Reserve to each crash. You will work in small groups to analyze a piece of the overall picture. Read over the information below and then find the other members of your group. Each group will make a poster informing others about the information on their handouts. The posters should be informative and should present the information clearly. The groups should spend about 15 minutes making the posters. Each group should select a spokesperson to present its poster to the class.

The Crash of 1929: What Happened?

The stock market crash of October 1929 is often seen as the end of the prosperity of the 1920s. However, there were many signs that the economy was already on the way down before the crash. The two worst days were October 24, 1929 ("Black Thursday"), and October 29, 1929 ("Black Tuesday"). What happened?

Stock prices increased dramatically in 1928, with the Dow Jones Industrial Average reaching a peak of 381.2 on September 3. Stock prices fell by about 10 percent following this peak, but then rose again by about 8 percent by mid-October. Panic selling appears to have set in on October 23, and on October 24 a record-breaking 13 million shares were traded, compared to an average of 4 million shares per day in September. The technology of the day (telephone and telegraph lines) was not able to keep up with the trading, and the ticker tape ran an hour and a half late. Many sellers did not learn of the prices they received for their trades until later that night. Several of the nation's largest bankers were alerted to the crisis and announced that they were willing to buy stocks above the going prices. The intent of the bankers was to give people confidence in the market and thus prevent panic selling. On October 25, President Hoover also tried to halt the panic selling by reassuring people that the "fundamental business of the country that is, the production and distribution of goods and services - is on a sound and prosperous basis."

Although prices steadied for a few days, panic selling started again on October 28. Nearly 16.5 million shares were traded on October 29, and the downward trend in stock prices continued. Two weeks after the crash, the average prices of leading stocks were about half of what they had been in September.

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The Crash of 1929: What Followed?

After the stock market crash of 1929, things only got worse. By the end of 1929 the market recovered somewhat, but in general stock prices continued in a downward spiral until 1932. By 1932 average stock prices had fallen more than 75 percent, people had lost an estimated \$45 billion in wealth and the market did not reach its 1929 peak level for another 25 years.

Economists generally do not view the crash of 1929 as a cause of the Great Depression, but they agree that the fall in stock prices made the situation worse. The optimism and hope of the 1920s gave way to feelings of skepticism and uncertainty. Consumers and businesses were less willing and less able to spend money, given their losses and their lack of confidence in the economy. Banks lost vast amounts in the crash also, and did not have the liquidity they needed to make loans to tide people over until the market recovered. Many banks subsequently failed. The resulting decrease in consumption and investment spending, and an increased desire to hold cash balances outside the banking system, led to a downward spiral of declining production, increased unemployment and falling prices. The crash on Wall Street also led to stock market crashes around the world: first in London, then in Paris, Berlin and Tokyo.

Several reforms were implemented after the crash, intended to prevent further stock market crashes. The Glass-Steagall Act of 1933 prohibited banks that are members of the Federal Reserve from affiliating with companies whose major purpose is to sell stocks. The Securities Exchange Act of 1934 established the Securities and Exchange Commission (SEC) to protect the public against misconduct in the securities and financial markets. This act also required the Federal Reserve to regulate margin requirements in order to reduce speculation.

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The Crash of 1929: What Caused It?

Economists disagree about the causes of the stock market crash of 1929. They agree, however, that there was no single, dominant cause, and that many factors worked together to bring the market down. Here are some opinions:

1. Margin buying. People could buy stock by paying as little as 10 percent down on the purchase price, borrowing the other 90 percent. When stock prices fell, stocks soon weren't worth enough to enable people to pay back the loans. People scrambled to sell their stocks before prices fell even further.
2. Stocks were overvalued. The rise in stock prices late in the 1920s was caused by speculation and investors trying to find a way to get rich quickly. In October 1929, stock prices were far too high compared to their earnings and dividends, so prices were bound to fall at some point.
3. Federal Reserve policies. The tight monetary policy of the Federal Reserve prior to the crash may have led to the crash. The Fed caused interest rates to rise because it wanted to curb speculation in the stock market late in the 1920s. This may have led to a decrease in demand for stocks and falling prices.
4. The Smoot Hawley Tariff Act. This act, meant to stimulate U.S. production, would impose high tariffs on imports. Investors were concerned that if it passed (it did pass in 1930), the profits of exporting companies would fall and other countries would retaliate by refusing to buy U.S. goods. This expectation of lower profits in the exporting sector may have caused people to sell their stocks.
5. The general state of the economy. Signs of a recession were evident in 1929 prior to the crash. Production was falling, prices were falling and personal income was falling. Several prominent public figures stated publicly that they thought bad times were ahead. These signs may have spurred stock sell-offs.
6. Psychological reasons. When panic sets in, people may react irrationally. When people saw others selling, they worried that they should sell too before things got worse. This panic selling caused prices to fall - just what people were hoping to avoid.

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The Crash of 1929: What Role Did the Fed Play?

Many economists believe that Federal Reserve policies led to the stock market crash of 1929 and were a main cause of the Great Depression that followed. Prior to the stock market crash, in 1928, the Fed decreased the money supply in the economy in part to try to discourage stock market speculation. This tight monetary policy probably contributed to falling stock prices in 1929, because it made it more difficult for people to borrow money to buy stocks.

The U.S. banking system was in trouble immediately after the crash of 1929. People who lost money in the stock market could not pay back their bank loans, and banks thus did not have money to give to depositors who wanted to make withdrawals. The Fed did little to help the banking system out of this crisis. If the Fed had increased the money supply to provide money to banks after the stock market crash, this might have prevented the banking-system collapse that followed. In fact, the Federal Reserve Bank of New York attempted to do this immediately after the crash, but its action was only a temporary measure and the rest of the Federal Reserve System did not go along.

The money supply continued to fall and interest rates continued to rise in 1930. By not providing money to increase bank reserves, the Fed probably contributed to the further declines in stock prices, which continued until 1932. By not providing money to help the banks through the crisis, Fed policies probably also contributed to the collapse of the banking system. Fed policies are therefore one of the main causes of the Great Depression.

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The Crash of 1987: What Happened?

The stock market crash of October 1987 occurred during a period of relative prosperity. Real GDP was increasing at an annual rate of 3.4 percent, and the inflation of the early 1980s was largely contained. The last recession ended in 1982, and the next one was years off. Yet the stock market crashed on Monday, October 19, 1987 ("Black Monday"). What happened?

Stock prices had risen dramatically in the first half of 1987, with the Dow Jones Industrial Average reaching a peak of 2,722.44 on August 25. During the next five weeks prices fell by about 8 percent, but then rose again by about 6 percent. Prices fell steadily the following week. But on October 19, stock prices fell more than on any other single day in the twentieth century. The Dow Jones Industrial Average fell a record 508.32 points, closing at 1,738. This represented a one-day drop of 22.6 percent in the value of stocks - nearly double the one-day loss record set during the crash of 1929. Over 604 million shares were traded on the New York Stock Exchange alone, shattering previous volume records. Some of the volume was caused by panic selling, as investors tried to sell before prices fell further. Some of the selling was done automatically by computers programmed to sell if prices fell below certain levels. Phone networks and computers were jammed for hours because of the unprecedented volume of trades, and many people who tried to trade were unable to do so.

Investors lost an estimated \$500 billion in share values in that one day. In many ways, this crash amounted to the nation's worst financial crisis since the Great Depression. Losses immediately affected markets around the world, thanks to electronic links and global communication networks.

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The Crash of 1987: What Followed?

The crash of 1987 is not thought to have caused serious damage to the economy, and its effects were not as bad as expected. Despite the dramatic events of October 19, 1987, by the end of 1987 stock prices reached the same level they had reached the year before. The market recovered to its 1987 peak levels again in 1989, two years after the crash. Of course, many people who sold stock when the prices were low lost money. The crash of 1987 made it clear that the finances of countries were tied together and economies were becoming more global. All major world markets declined in October 1987.

The crash was not followed by a depression or even a recession. Although it produced the largest one-day drop in stock prices in the twentieth century, several newspapers and officials did not call it a crash, preferring terms such as "market interruption." In the decade that followed, after a brief recession in 1990-1991 following the Gulf War, the U.S. economy entered into a 10-year expansion period, the longest in the twentieth century. Stock prices continued to climb.

Several reforms were implemented after the crash to try to prevent further stock market crashes. Stock exchanges and brokerage firms upgraded their computer systems and added more phone lines to deal with emergencies. Regulators from different securities markets agreed to meet and communicate regularly to coordinate their activities. The main reform was the introduction of circuit breakers in 1988. Circuit breakers automatically halt trading on major exchanges for a time if stock prices fall more than certain amounts. Circuit breakers are designed to stop panic selling by giving investors time to think over their choices when stock prices are falling dramatically.

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The Crash of 1987: What Caused It?

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1. Inflationary fears. Many investors were concerned that the inflation of the 1970s and early 1980s would return, and inflationary fears cause interest rates to rise. The long-term rate on some bonds reached a peak of 10.5 percent on the morning of October 19. This may have caused people to sell stock so that they could invest in bonds and other interest-earning assets instead.
2. Stocks were overvalued. The rise in stock prices in the 1980s was caused by speculation and investors trying to find a way to get rich quickly. In October 1987, stock prices were far too high compared to their earnings and dividends, so prices were bound to fall at some point.
3. Federal Reserve policies. The Federal Reserve's announcement of an increase in the discount rate from 5.5 percent to 6 percent on September 4, 1987, was unnecessary. It may have signaled to people that the Fed thought high inflation was going to return. Investors may have decided to sell their stock because of the Fed's announcement.
4. Programmed and computer trading. Large institutional investing companies programmed their computers to order large stock trades automatically when stock prices reached certain levels. As prices fell on October 19, sell trade orders came in automatically, jamming the system and causing more panic among investors.
5. A debt-ridden economy. Both the trade deficit and government budget deficits were increasing rapidly. Investors may have feared that the prices of U.S. stocks would fall relative to foreign stocks. Anxiety over these growing debts in the third quarter of 1987 may have led to the stock sell-off.
6. Psychological reasons. Fear and panic played a part in the crash of 1987. When investors saw stock prices falling, they rushed to try to sell their stocks for whatever they could get before prices fell further.

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The Crash of 1987: What Role Did the Fed Play?

The stock market crash of 1987 was relatively painless largely because the Federal Reserve moved quickly to ease monetary policy and reassure banks. These policies probably prevented big declines in consumption and investment spending that might otherwise have been triggered by the loss of wealth from the crash. The fact that no recession followed the crash of 1987 is often attributed to the competent actions of the Fed immediately following the crash.

Because of the large volume of sell orders on October 19, many stock specialists and brokerage firms needed loans, and many investors needed loans to meet margin calls. One of the first things the Fed did was reassure banks and the public that it would provide enough money to the economy to prevent a crisis in the banking system. On October 20, the day after the crash, the Fed announced that "The Federal Reserve System, consistent with its responsibilities as the nation's central bank, affirmed today its readiness to serve as a source of liquidity to support the financial and economic system." This announcement was intended to reverse the panic that broke out the day before, and it seems to have worked.

The Fed backed up its promises by using open-market operations to cut a key interest rate by 1 percent and by providing money to increase bank reserves. These moves enabled banks to make loans to the businesses and individuals who needed money because of losses they suffered from the decline in value of their stocks. The Fed also kept lines of communication open with financial institutions, and it tried to persuade banks to make loans to their customers to tide them over through the crisis. Once stock prices recovered, people had money to pay back the loans.

1. What is a stock market crash?
2. What similarities and differences did you note regarding the stock market crashes in 1929 & 1987?
3. How were the causes of the crash of 1929 similar to the crash of 1987? How were they different?
4. Compare what happened after the crash of 1929 with what happened after the crash of 1987.
5. Compare the reaction of the Fed in each of the two cases.

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- _____ 1. The stock market crash of 1929
 - a. was followed by an economic depression.
 - b. occurred on a day when most stock prices went up.
 - c. was caused by large increases in the money supply.
 - d. was the worst one-day fall in stock prices in the twentieth century.
 - _____ 2. The stock market crash of 1987
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 - _____ 3. For both the stock market crash of 1929 and 1987,
 - a. stock prices recovered quickly afterward.
 - b. stocks are thought to have been overvalued.
 - c. programmed and computer trading is seen to be a cause.
 - d. inflation was a persistent problem in the economy at the time.
 - _____ 4. The actions of the Federal Reserve after the stock market crash
 - a. probably made the economy much better after 1929.
 - b. probably prevented more serious problems after 1987.
 - c. decreased the money available for banks to lend in 1987.
 - d. increased the money available for banks to lend in 1929.