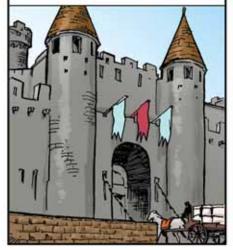
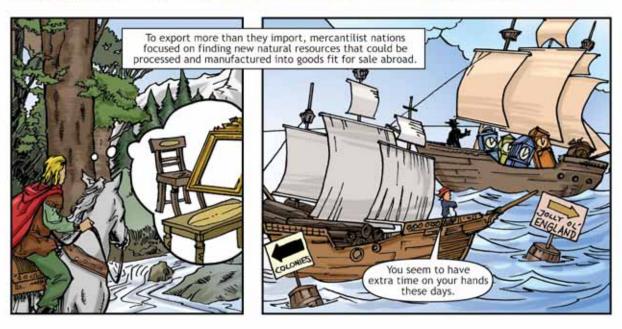


The European nations, dominant at that time, pursued an economic philosophy called mercantilism. Mercantilism consisted of two main ideas. The first was that precious metals determined a nation's wealth.









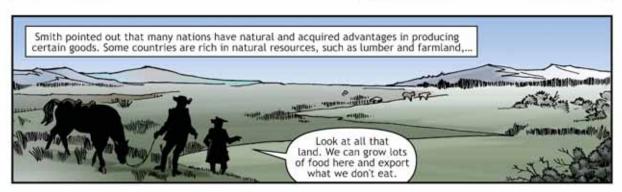


Smith did not share the mercantilists' belief that a country's wealth was determined by precious metals. He believed a nation's wealth ultimately was determined by its holdings of assets, such as household items that consumers desired.



Smith argued that nations should export the surplus of what they were best at producing, and use the proceeds of the export sales to import what they were less good at producing. Only then would the true wealth of nations increase.



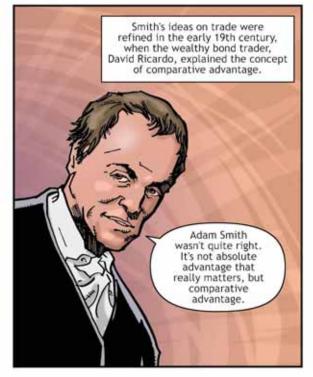


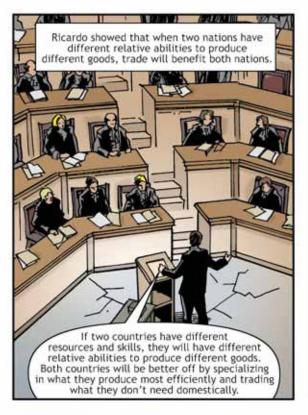
... and others in acquired resources, such as a highly trained workforce and a large technology base. These countries have an advantage in producing goods such as silicon chips, because chip manufacturing requires skilled workers and technologically advanced machines.













Now, suppose it takes 1 hour to make a CD and 2 hours to make a pair of blue jeans in the United States, while it takes 4 hours to make a CD and 4 hours to make a pair of jeans in Jeansland.

HOURS PER GOOD	
1 CD	1 PAIR JEANS
1	2
4	4

Note that the United States has an absolute advantage in producing both goods. That is, it takes the United States fewer hours than Jeansland to manufacture either a pair of jeans or a CD.



Because the United States has an absolute advantage in producing both goods, you might think that only the United States would benefit from trade. In fact, both nations will benefit from trade because Jeansland and the United States have different relative abilities to produce CDs and jeans.



Since it takes 1 hour to make a CD in the United States and 4 hours in Jeansland, U.S. workers are four times as efficient as Jeansland workers in making CDs. Because it takes 2 hours to make a pair of jeans in United States and 4 hours in Jeansland, U.S. workers are only two times as efficient as Jeansland workers in making jeans. Thus we say that U.S. workers are relatively more efficient in the production of CDs than in the production of jeans.

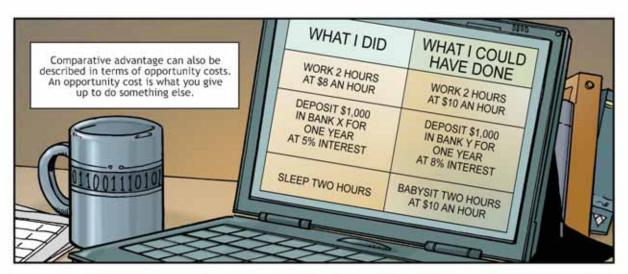
In the time it takes my friend in Jeansland to make 1 CD, I can make 4. In the time it takes him to make 1 pair of jeans, I can make 2.

Alternatively, because it takes 4 hours to make a pair of jeans in Jeansland and 2 hours in the United States, Jeansland workers are ½ as efficient as U.S. workers in making jeans, and because it takes 4 hours to make a CD in Jeansland and 1 hour in the United States, Jeansland workers are only ½ as efficient as U.S. workers in making CDs. Therefore, Jeansland workers are relatively more efficient in the production of jeans than in the production of CDs.

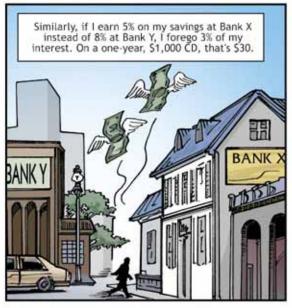


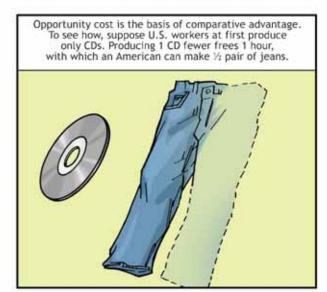
Since Jeansland is relatively more efficient in making jeans, Jeansland has a comparative advantage in the production of jeans.

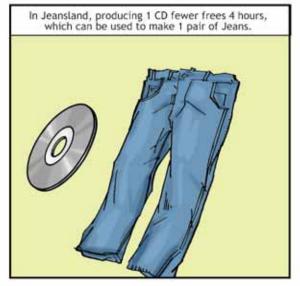
Because the United States is relatively more efficient in producing CDs, the United States has a comparative advantage in the production of CDs.











Because the opportunity cost of making a CD is lower in the United States (1/2 pair of jeans) than in Jeansland (a full pair of jeans), Americans have a comparative advantage in making CDs. Similarly, Jeansland has a comparative advantage in making jeans. Can you figure out why?



That's right. Jeansland has a comparative advantage in making jeans because the opportunity cost of making a pair of jeans is lower in Jeansland (1 CD) than in the United States (2 CDs).



If Jeanslanders trade jeans for CDs they're trading the good they can produce relatively more efficiently for the good they produce relatively less efficiently.

This must be better than the initial situation, in which Jeansland produced both goods. Likewise, the United States must also be better off under trade based on comparative advantage.







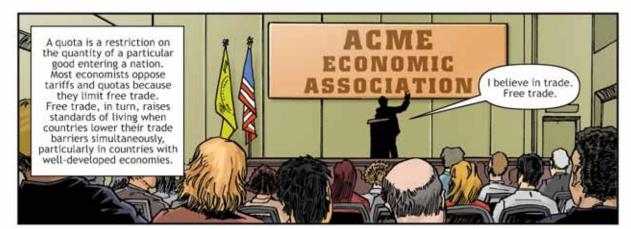
Two types of trade barriers are tariffs and quotas.

A tariff is a tax imposed on goods imported into a country.

For example, the United States might impose a \$1 tariff on all bottles of French wine entering the United States...







Several blocs of nations have attempted to lower trade barriers between their members. For example, Mexico, Canada, and the United States ratified the North American Free Trade Agreement (NAFTA) in 1993, sharply reducing tariffs and easing quotas on goods and services traded within the bloc. Another bloc that has done this is the European Union (EU).

BU

1 AUSTRIA 21. SLOVAKIA 22. SLOVENIA 23. SPAIN 4. CZECH REPUBLIC 24. SWEDEN 5. DENMARK 25. UNITED KINGDOM 24. FINLAND 24. STONIA 7. FINLAND

NAFTA

1. CANADA
2. MEXICO
3. UNITED STATES

L AUSTRIA
2 BELGIUM
2 SELGIUM
2 SELGIUM
2 SELOVENIA
3 CYPRUS
2 SSPAIN
4 CZECH REPUBLIC
5 DENMARK
6 ESTONIA
7 FINLAND
8 FRANCE
9 GERMANY
10 GREECE
11, HUNGARY
12 IRELAND
13 ITALY
14 LATVIA
15 LITHULANIA
16 LUXEMBOURG
17 MALTA
18 NETHERLAND
19 POLAND
20 PORTUGAL

On a broader scale, the World Trade Organization (WTO), created in 1995 by the Uruguay Rounds of negotiations, promotes free trade and works to lower trade barriers in all nations simultaneously. The WTO serves as a forum for its 146 member countries to establish, negotiate, and monitor trade agreements.



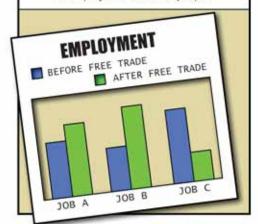
There are some reasons why countries might elect not to remove all barriers. One is that countries want to have domestic suppliers of products vital to national security, so they won't have to rely on foreign suppliers during wartime.



Another is that many countries want to develop their new and struggling industries. Some people say that these new industries need the protection of trade barriers in order to mature into industries able to compete in the world market.



A third reason is that while free trade tends to make a country as a whole better off, this doesn't mean that all its population will be made better off. When countries specialize in production according to comparative advantage, some workers will lose their jobs. This will lead to temporary, or possibly permanent, unemployment for some people.



Returning to our United States/Jeansland example: If, suddenly, Jeansland CD makers lose their jobs because of competition from the United States, and U.S. jeans makers lose their jobs because of competition from Jeansland, there might be some unpleasant short-term problems if the workers can't be retrained quickly for new jobs in a different industry.

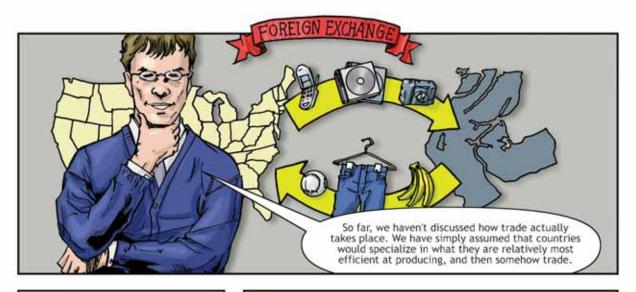




To minimize the hardship on workers, countries lower trade barriers slowly, so that with enough time, workers can be retrained for new jobs and share in the benefits of free trade.







But countries don't usually trade items for other items. For example, a United States exporter of compact discs wants to be paid in U.S. dollars, not blue jeans.









Foreign exchange dealers, linked by telephones and computers, stand ready to list prices at which they will buy and sell different currencies.

The dealers earn profits by buying currencies at one price and selling them at slightly higher prices.





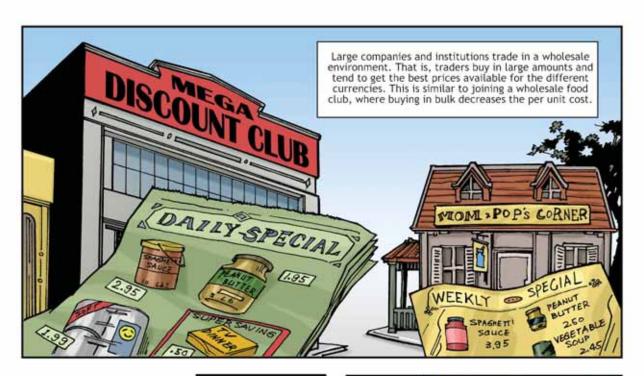


The rate at which one currency is traded for another is known as the exchange rate. An exchange rate listed in the United States is usually expressed in terms of how many units of a foreign currency one U.S. dollar can buy. The Mexican peso exchange rate, for example, might be 10.9 pesos per dollar. Exceptions include the euro and the U.K. pound sterling, which are expressed in dollars per unit of these currencies.

Large corporations, financial institutions, and government agencies need to trade large amounts of currencies on a regular basis, either for themselves or (in the case of the financial institutions) for their clients.









The bank is offering the tourist a valuable service.

The newspaper listing says the exchange rate is 10.98 pesos per dollar, but at the bank I got only 10.90 pesos per dollar.

The reason the retail foreign exchange (FX, for short) customer gets a less favorable rate is that retail transactions are usually small and involve paper currency, rather than electronic money, so they're relatively expensive to execute.

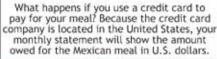












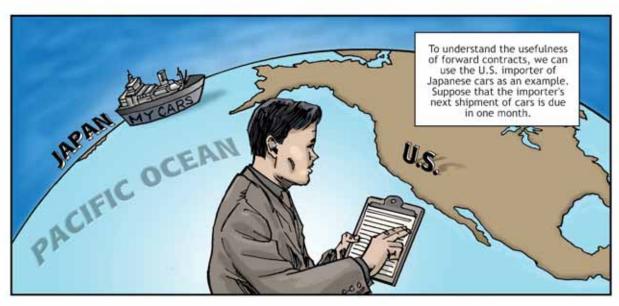












To pay for the cars, the U.S. importer must find a way to pay the Japanese car maker in yen in one month. Suppose that the exchange rate is now 120 yen to the dollar and each car costs 3 million yen. How many dollars is this? We compute as follows: (3 million yen) x (\$1/120 yen) = \$25,000.



Now suppose that a month later the exchange rate is 100 yen per dollar. What does this mean? At an exchange rate of 120 yen per dollar, \$1 will buy 120 yen. At an exchange rate of 100 yen per dollar, \$1 will buy 100 yen. Because the dollar buys fewer yen at the new exchange rate, we say that the dollar has weakened, or depreciated.



Because the dollar has weakened, it now takes more dollars to equal 3 million yen. How many more? The new exchange rate is 100 yen per dollar, so 3 million yen will be worth (3 million yen) x (\$1/100 yen) = \$30,000. Thus the car is \$5,000 more expensive in dollar terms than it was a month ago.



Of course, the reverse could also happen. The exchange rate might increase to 150 yen per dollar. In this case, we say the dollar has strengthened, or appreciated, against the yen, because \$1 now buys more yen than before. The precise dollar amount of the change is computed as follows:

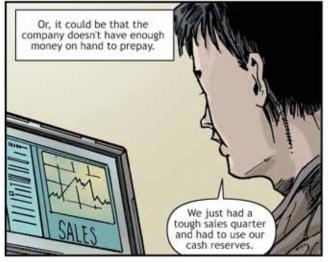
(3 million yen) x (\$1/150 yen) = \$20,000, a decrease of \$5,000.



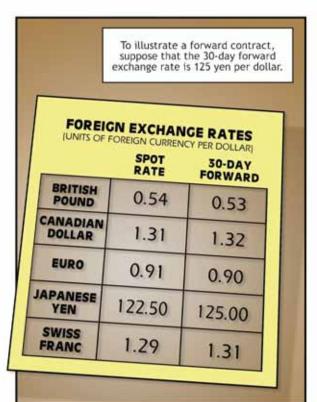


You might wonder why the U.S. importer wouldn't just prepay for next month's car shipment at today's exchange rate of 120 yen per dollar. That would obviously eliminate uncertainty and reduce the exchange rate risk. One reason is that companies generally prefer to keep their money for as long as possible to earn interest on it.





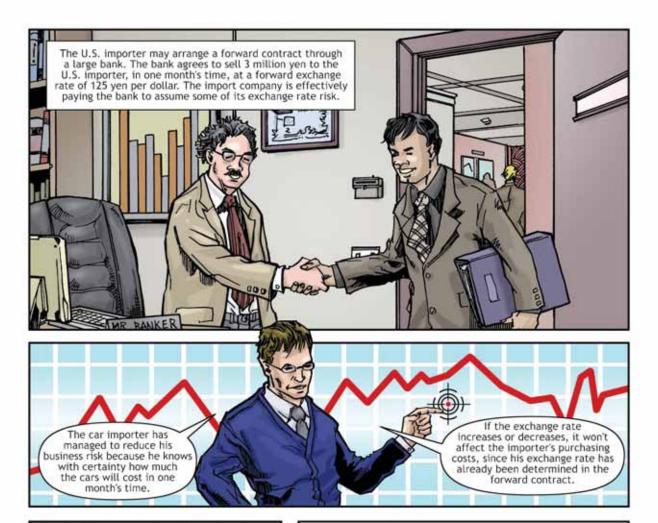












You should keep in mind that forward exchange rates are not precise forecasts of future exchange rates. Therefore, locking in a forward exchange rate creates some risk for a company because it may have locked in an unfavorable rate.



For example, if the actual exchange rate in one month is higher than 125 yen per dollar, the U.S. company would have benefited by not entering into the forward contract because the price per car is now less than \$24,000.



Some monetary authorities (central banks and finance ministries) are also actively involved in the foreign exchange market. They try to maintain stability in the marketplace for currencies, so that international trade can take place unimpeded.









Although there is no absolute rule determining when central banks might intervene, sharp and rapid exchange rate fluctuations unrelated to underlying economic conditions are signs that the central banks might take action.



A disorderly foreign exchange market can lead to economic instability. With increased fluctuation in exchange rates, it becomes more difficult and expensive to agree to market transactions, and companies may be unwilling to make commitments in foreign currencies. As a result, trade can suffer.



reducing the benefits of comparative advantage.

We can't face the

Some companies may curtail importing,

The world's major central banks sometimes combine efforts to try to maintain stability in the foreign exchange market.

So, we agree that the value of the dollar is dropping too sharply against the euro, and that we should do something to remedy the situation. We can try to do that by selling



Foreign trade and exchange are growing rapidly. For example, U.S. imports of goods and services now equal almost 17 percent of the annual output of the U.S. economy, almost three times the percentage of 35 years ago. International trade will continue to grow rapidly as markets become more global, and the growth of trade will continue to raise living standards in most of the world.

exchange rate risk of importing these cars anymore.



