

Look for the answers to these questions:

- Why do people and nations choose to be economically interdependent?
- How can trade make everyone better off?
- What is absolute advantage?
- What is comparative advantage?
- · How are these concepts similar?
- · How are they different?

2018 Cengage Learning®. May not be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for use permitted in a license distributed with a certain product or service or otherwise on a password-protected website or school-approved learning





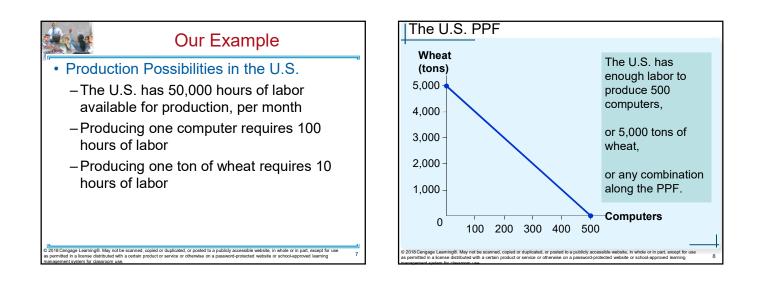
ASK THE EXPERTS

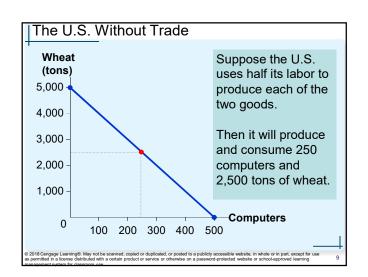
Trade between China and the United States

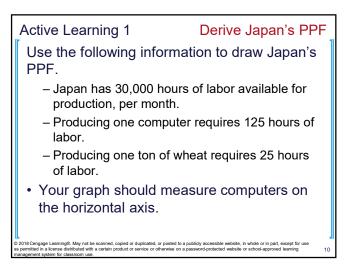
"Trade with China makes most Americans better off because, among other advantages, they can buy goods that are made or assembled more cheaply in China." What do economists say?

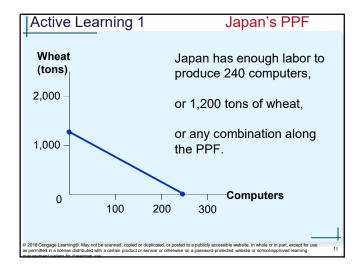


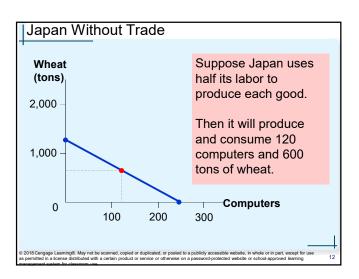


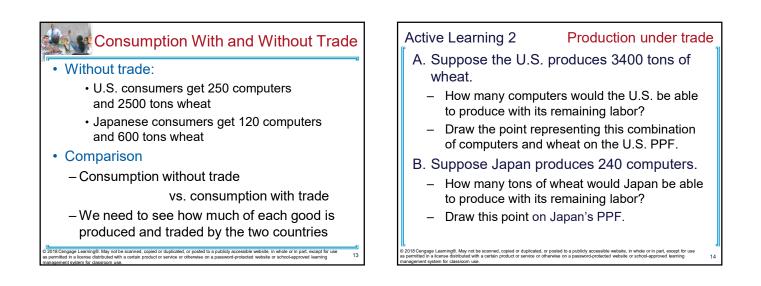


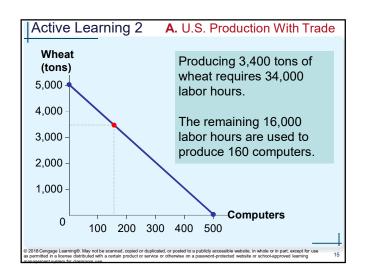


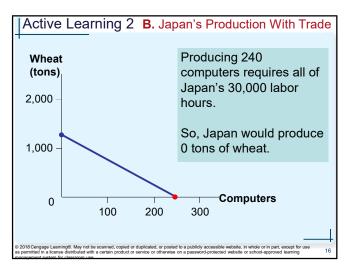




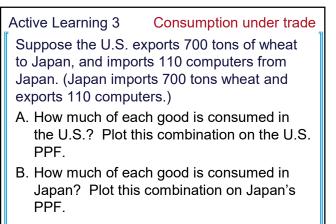




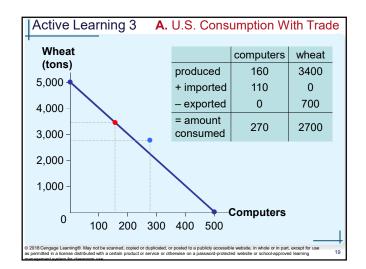


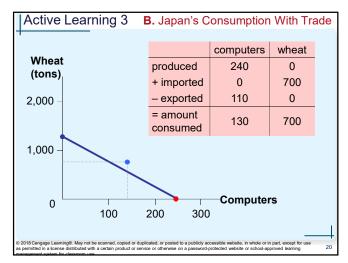




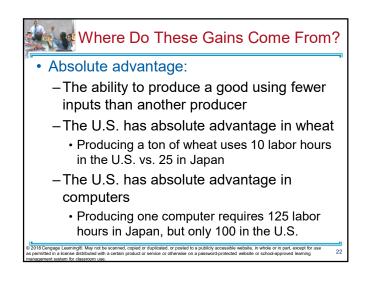


be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for the a certain product or service or otherwise on a password-protected website or school-approved learning.





U.S.			
	consumption without trade	consumption with trade	gains from trade
computers	250	270	20
wheat	2500	2700	200
Japan			
	consumption without trade	consumption with trade	gains from trade
computers	120	130	10
wheat	600	700	100



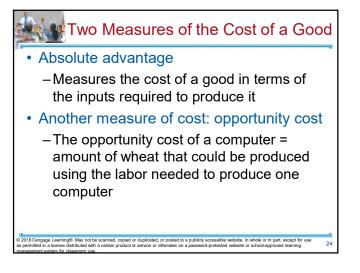


The U.S. has an absolute advantage in <u>both</u> goods!

- So why does Japan specialize in computers?
- -Why do both countries gain from trade?
- Two countries can gain from trade
 - When each specializes in the good it produces at lowest cost

1018 Cengage Learning®. May not be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for use permitted in a license distributed with a certain product or service or otherwise on a password-protected website or school-approved learning

23



Comparative Advantage

- · Comparative advantage
 - The ability to produce a good at a lower opportunity cost than another producer
- Principle of comparative advantage
 - Each good should be produced by the individual that has the smaller opportunity cost of producing that good

Specialize according to comparative advantage

g@. May not be scanned, copied or duplicated, or posted to a publicly accessible we distributed with a certain product or service or otherwise on a password-protected w

Comparative Advantage The opportunity cost of a computer is – 10 tons of wheat in the U.S.: • Producing one computer requires 100 labor

- Producing one computer requires 100 labor hours, which instead could produce 10 tons of wheat
- 5 tons of wheat in Japan:
 - Producing one computer requires 125 labor hours, which instead could produce 5 tons of wheat

Japan has comparative advantage in computers

2018 Cengage Learning®. May not be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for use permitted in a license distributed with a certain product or service or otherwise on a password-protected website or school-approved learning



- · Gains from trade
 - Arise from comparative advantage (differences in opportunity costs)
- When each country specializes in the good(s) in which it has a comparative advantage
 - Total production in all countries is higher

e Learning®. May not be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for use a license distributed with a certain product or service or otherwise on a password-protected website or school-approved learning

- The world's "economic pie" is bigger
- -All countries can gain from trade

Argentina, 10,000 hours of labor/month: – producing 1 lb. coffee requires 2 hours; – producing 1 bottle wine requires 4 hours

Active Learning 4 Absolute and comparative advantage

- Brazil, 10,000 hours of labor/month:
 - producing 1 lb. coffee requires 1 hour
 - producing 1 bottle wine requires 5 hours
- 1. Which country has an absolute advantage in the production of coffee?
- 2. Which country has a comparative advantage in the production of wine?

ot be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for with a certain product or service or otherwise on a password-protected website or school-approved learning

Active Learning 4

Answers

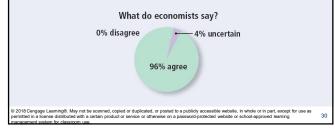
- 1. Brazil: absolute advantage in coffee
 - Producing 1 lb. coffee:
 - One labor-hour in Brazil, but two in Argentina.
- 2. Argentina: comparative advantage in wine
 - Argentina's opportunity cost of wine is 2 lb. coffee
 - The four labor-hours required to produce a bottle of wine could instead produce 2 lb. coffee
 - Brazil's opportunity cost of wine is 5 lb. coffee

t be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for us if the certain product or service or otherwise on a password-protected website or school-approved learning

ASK THE EXPERTS

Trade between China and the United States

"Some Americans who work in the production of competing goods, such as clothing and furniture, are made worse off by trade with China."



Summary

- Interdependence and trade are desirable

 Allow everyone to enjoy a greater quantity and variety of goods and services
- Comparative advantage: being able to produce a good at a lower opportunity cost
- Absolute advantage: being able to produce a good with fewer inputs
- The gains from trade are based on comparative advantage, not absolute advantage

Summary

- Trade makes everyone better off
 - It allows people to specialize in those activities in which they have a comparative advantage
- The principle of comparative advantage applies to countries as well as to people
- Economists use the principle of comparative advantage to advocate free trade among countries

D18 Cengage Learning®. May not be scanned, copied or duplicated, or posted to a publicly accessible website, in whole or in part, except for use ermitted in a license distributed with a certain product or service or otherwise on a password-protected website or school-approved learning

Chapter 3: Gains From Trade

- Trade can make people better off
- Key Idea: Comparative Advantage
- Suggested Homework:
 - ▶ Read Mankiw Chap. 3
 - Mankiw, Chap.3, Problem 3, 8, 9

2018/9/11

om Trade Jose