

Trade Infographic Activity (Updated 2023)

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Trade Infographic Activity

There are two ways to approach comparative advantage and opportunity cost. One is the output-perfixed-input approach that focuses on the number of products that an individual, business, or country can produce given a fixed amount of resources.

The alternate approach to calculating comparative advantage and opportunity cost is the input-per-fixed-output approach. While the infographic for this unit (https://www.atlantafed.org/-/media/documents/education/teach/infographic-posters/trade.pdf) uses the output-per-fixed-input approach, this supplemental activity uses the alternate approach (the input-per-fixed-output approach) to calculate the amount of time it will take to produce a single unit of output.

The following chart provides hours it takes each country to produce one unit of output:

Input (labor hour) per item			
Country	Chocolate bar	Chocolate cake	
Α	20	4	
В	10	5	

To determine the country with the absolute advantage, use the chart above to identify the country which uses the least number of labor hours to produce one unit of output. Write the country with the absolute advantage in the blanks:

Country with the absolute advantage in chocolate bars:	
Country with the absolute advantage in chocolate cakes:	

Now calculate the opportunity cost of producing a single chocolate bar and a single chocolate cake for each country, A and B. To calculate this number for chocolate bars, place the number of hours it takes to produce a unit of chocolate bars (the numerator) over the number of hours it takes to produce a unit of chocolate cake (the denominator). This fraction is the opportunity cost for each country when it produces a unit of chocolate bars.

Repeat this process for chocolate cake by placing the number of hours it takes to produce a unit of chocolate cake (the numerator) over the number of hours it takes to produce a unit of chocolate bars. This fraction is the opportunity cost for each country when it produces a unit of chocolate cake. Show your work below.

Opportunity cost			
Country	Chocolate bar	Chocolate cake	
Α			
В			



Now that you have the opportunity cost, identify which country has the lowest opportunity cost for producing each good. The country with the lowest opportunity cost has the comparative advantage.

advantage.
1. Given the information you calculated in the table, which country has the comparative advantage for a chocolate bar? What about a chocolate cake?
2. Why are the ratios different when using inputs (the table calculation) than with the outputs (as on the infographic)?
3. How do the ratios inform the terms of trade decisions that each country might make?
4. How would each country benefit from specialization?