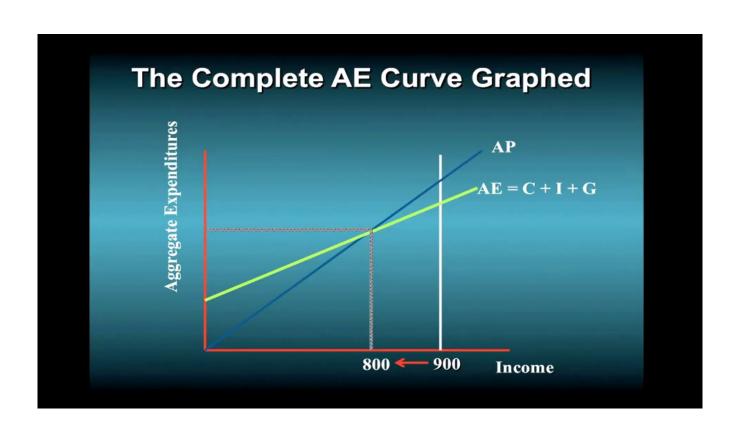


Summarizing the Keynesian Model

- The consumption function slopes upward.
- The slope of the consumption function is flatter than the aggregate production curve.
- Both the investment and government expenditure functions are represented by horizontal lines.

The Slope of the Aggregate Expenditures Function is the MPC

- Vertically summing the consumption, investment, and government expenditure curves yields the AE function.
- The slope of the AE function is the same as the slope of the consumption function because the investment & government expenditure functions are horizontal lines.
- Therefore, the slope of the AE function is the marginal propensity to consume or MPC!

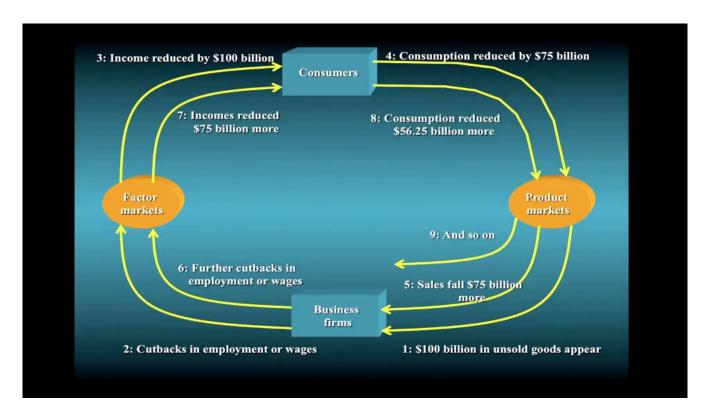


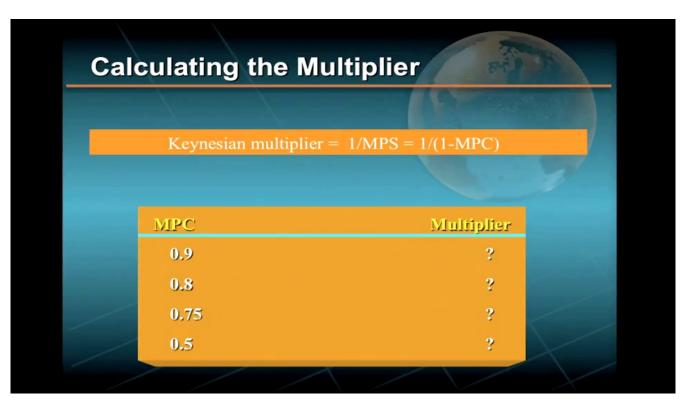
Closing a Recessionary Gap

- We can demonstrate that expansionary fiscal policy can be used to close a \$100B recessionary gap.
- Before we can do this, we have to master one more concept:
 - The "Keynesian expenditure multiplier"

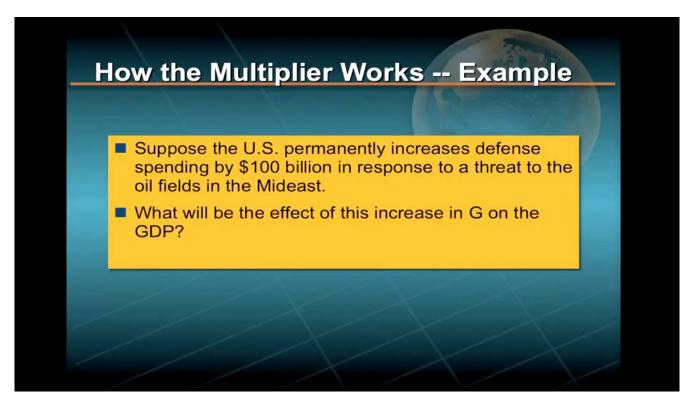
The Keynesian Multiplier

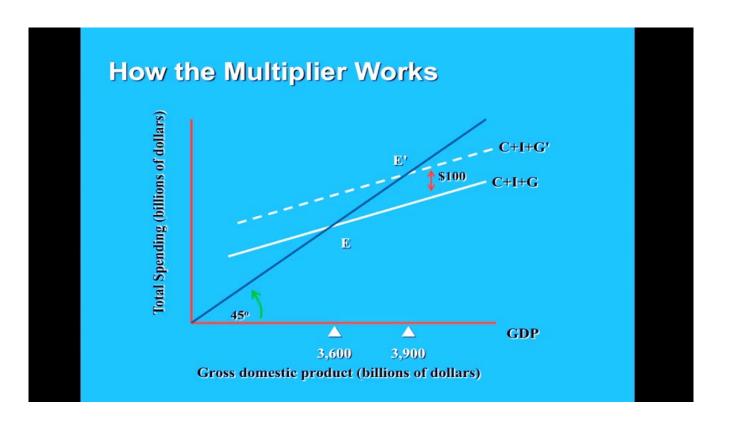
- The number by which a change in aggregate expenditures must be multiplied to determine the resulting change in total output.
- The Keynesian multiplier is greater than one because income is re-spent many times after the initial increase.

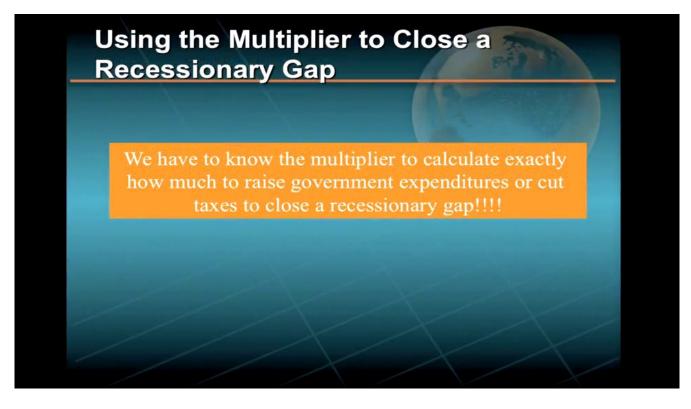


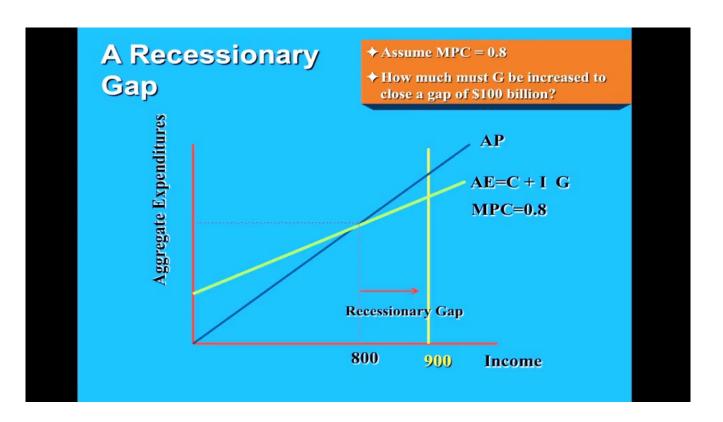


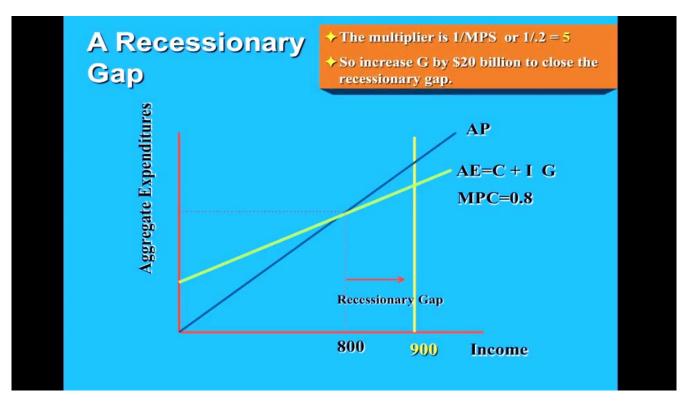












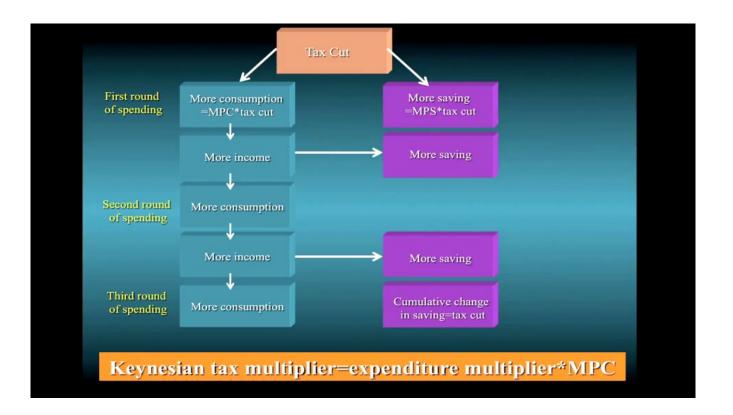
Using Tax Cuts to Close a Recessionary Gap

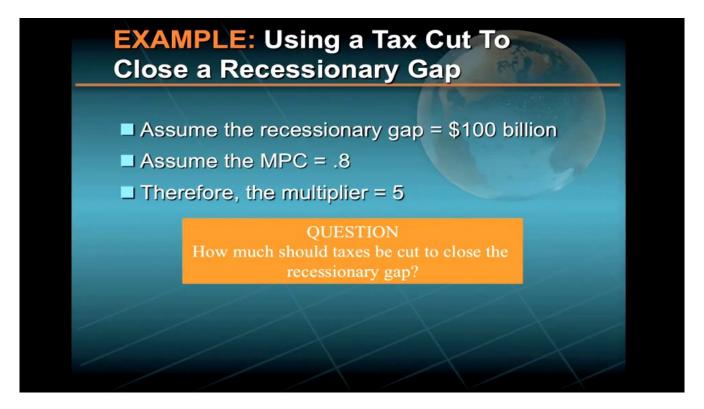
- We can also use a tax cut to close a recessionary gap
 - Example: The Kennedy Tax Cut of 1964
- The tax cut multiplier is a bit more complicated than the government spending multiplier!!

Tax cut multiplier = Expenditure multiplier*MPC

The Logic of the Tax Cut Multiplier

- Tax cuts have less of an expansionary effect than an increase in government spending.
- Consumers will not increase their expenditures by the full amount of the tax cut.
- Instead, they save a portion of the tax cut based on their marginal propensity to save (MPS).





The Answer

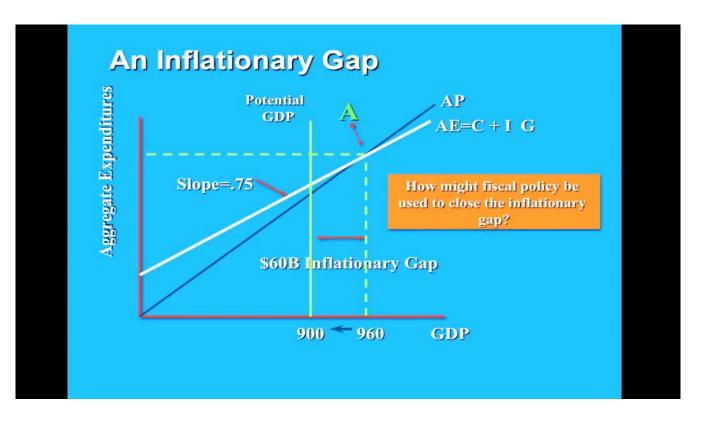
- Taxes must be cut by \$25B to close a \$100 billion recessionary gap.
- This is \$5B more than we needed to increase G to achieve the same result.

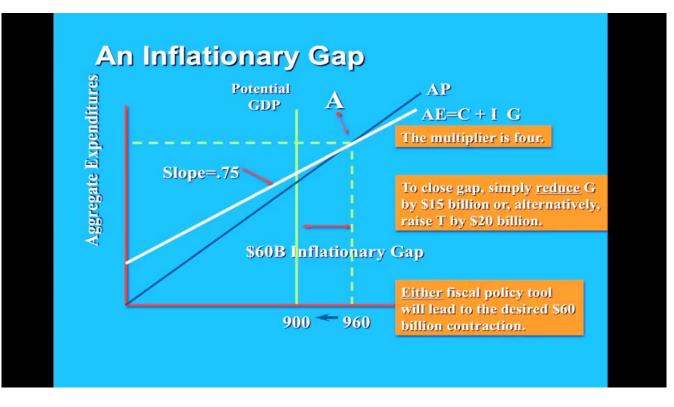
SOLUTION

- Multiply the expenditure multiplier of 5 times the MPC.
- This yields a tax multiplier of 4.
- 4 times the \$25 billion tax cut yields a \$100 billion expansion.

Using <u>Contractionary</u> Fiscal Policy To Close An Inflationary Gap

- We know how to use expansionary fiscal policy to close a <u>recessionary gap</u>.
- Suppose we face an inflationary gap instead.
- A classic example is the 1960s inflationary gap caused by demand-pull inflation from the Vietnam War and Great Society expenditures.





Tax Cuts or Increased G?

- Is it more preferable to increase G or cut T to eliminate recessionary and inflationary gaps?
- The answer depends on one's view of the appropriate size of the government rather than pure economics.



Liberals Vs. Conservatives

- Liberals/Democrats prefer increased government spending during recessions and tax increases to fight demand-pull inflation
 - This expands or preserves the size of government.
- Conservatives/Republicans want to shrink government. What type of fiscal policies do you think they prefer?

Conservative's Fiscal Policy Choices

- Conservatives generally favor:
 - Tax cuts during recessions.
 - Government spending cuts to fight demand-pull inflation.
 - Both shrink the size of government.