



Car Manufacturing In Exercises 15–17, use the information below. (See Example 5.)

During the production of a car, value is added by the following.

- Raw materials manufacturers: \$7000
- A car manufacturer: \$11,000
- A car dealer: \$5000



- The sales tax rate is 6.0%. What is the sales tax on the car?
- Use the spreadsheet to find the value-added tax of 6% at each stage. Compare the value-added tax of 6% with a sales tax of 6%.

	A	B	C	D	E
1		Current Value	Value Added	6% Value-Added Tax	New Value
2	Raw materials	\$0.00	\$7,000.00		\$7,420.00
3	Manufacturer	\$7,420.00			
4	Dealer				
5		Total			
6					

- Using the value-added tax approach, what is the retail price of the car?



Truck Manufacturing In Exercises 18–20, use the information below. (See Example 5.)

During the production of a truck, value is added by the following.

- Raw materials manufacturers: \$11,000
- A truck manufacturer: \$16,000
- A truck dealer: \$7000

- The sales tax rate is 8.25%. What is the sales tax on the truck?
- Use a spreadsheet to find the value-added tax of 8.25% at each stage. Compare the value-added tax of 8.25% to a sales tax of 8.25%.
- Using the value-added tax approach, what is the retail price of the truck?

Gasoline The graph shows the prices of gasoline in eight countries. In Exercises 21 and 22, use the graph. (See Example 6.)

- Use percent to compare the taxes collected per gallon of gasoline in the United States with those collected in Germany.
- Describe any patterns you see in the graph.

