



# Sales Tax

**Vocab:**

Sales Tax - a % of the sales price  
that you pay in taxes.  
(state / county / city / local)

**LESSON  
6.1****EXAMPLE**

Harley Watson bought a cell phone for \$199.95 and a phone case for \$19.95. What is the total sales tax if Harley lives in Austin, Texas, where the state tax is 6.25% and the combined local city and county tax is 2.00%?

$$\begin{array}{r} \text{total sales: } 199.95 \\ \quad \quad \quad 19.95 \\ \hline \$219.90 \end{array}$$

$$\begin{array}{r} \text{total taxes: } 6.25\% \\ \quad \quad \quad + 2.00\% \\ \hline 8.25\% \\ 0.0825(219.90) \quad \boxed{\$18.14} \end{array}$$

**LESSON**  
**6.1**

Calculate the sales tax. Check your answers in the back of the book.

1. Sandy Zuppa bought an outboard motor for a total selling price of \$420 in Maine, which has a 7% sales tax rate.

$$\begin{array}{l} 0.07(420) \\ \hline \$29.40 \end{array}$$

**LESSON  
6.1**

Calculate the sales tax. Check your answers in the back of the book.

2. Savannah Tyson purchased a vacation for a total selling price of \$2,520. The Florida sales tax rate is 6%, and the Gainesville sales tax rate is 1.25%.

total tax: 7.25%

$$0.0725(2520)$$

\$182.70
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A graphic with a blue and red gradient background. The word "LESSON" is written in white capital letters at the top, and the number "6.2" is written in white below it.

# Total Purchase Price

**Vocab:**

Sales Receipt -

a break down of the costs, subtotal, taxes, and total purchase price.

Total Purchase Price -

Subtotal + taxes

**LESSON  
6.2**

**EXAMPLE 1**

Mike Krause owns a tree-trimming company. He purchases the items listed on the sales receipt (Figure 6.1). Mike checks the information on the receipt. The sales tax rate is 5%. What is the total purchase price?

Verl's Saw Shop			
Quantity	Description	Price	Amount
1	Chain saw	\$539.95	539.95
12	Chain saw bar oil	4.95	59.40
2	Safety chaps	69.95	139.90
2	Safety helmet	45.95	91.90
	<b>TOTAL SELLING PRICE</b>	Subtotal	831.15
		Sales Tax 5%	41.56
	<b>TOTAL PURCHASE PRICE</b>	Total	872.71

**LESSON  
6.2**

Complete the problem. Check your answer in the back of the book.

1. Wesley Novak bought 2 two-way radios for \$59.99 each, 2 surge protectors at \$19.99 each, a wireless printer router for \$79.98, and 3 color ink cartridges at \$34.99 each. What is the total purchase price if he lives in West Virginia, where the sales tax rate is 6%?

$$\begin{array}{r} 2(59.99) = 119.98 \\ 2(19.99) = 39.98 \\ 1(79.98) = 79.98 \\ 3(34.99) = 104.97 \\ \hline \$344.91 \end{array}$$

$.06(344.91)$

$\$365.60$

**LESSON**  
**6.2****EXAMPLE 2** Algebra

Rennie Gaston purchased a bathing suit from the clearance rack and gave the clerk \$20.00. He received \$3.98 in change. If the sales tax rate was 7%, find the total selling price.

$$\begin{array}{r} 20.00 \\ - 3.98 \\ \hline 16.02 \end{array}$$

$$\frac{1.07(x)}{1.07} = \frac{16.02}{1.07}$$
$$x = \$14.97$$



**LESSON**  
**6.2**

Complete the problem. Check your answer in the back of the book.

2. Alonzo and Catalyn Diaz paid a total of \$23,289.26 for their new automobile. If the sales tax rate in their community is 6.5%, what was the total selling price of the Diaz's new automobile?

$$\frac{\cancel{1.065}(X)}{\cancel{1.065}} = \frac{23,289.26}{1.065}$$

$$X = \$21,867.85$$