

7. Susan went shopping and bought  
a pair of boots for \$54  
a blouse for \$31  
and sunglasses for \$45.

The tax in Susan's city is 8%.

Find the total sales tax and the  
final cost of the purchases (including  
tax).

$$\text{Purchase} = 54 + 31 + 45 = \boxed{130}$$

$$\text{tax} = \text{Purchase} \times \text{tax rate} = 130 \times .08$$

$$\text{tax} = \$10.40$$

$$\begin{aligned} \text{final cost} &= \text{Purchase} + \text{Sales tax} \\ &= 130 + 10.40 \end{aligned}$$

$$\text{final cost} = \boxed{140.40}$$