Exercise 3

Using Models Use the model given to answer the questions about the object or process being modeled.

The sales tax T in a certain county is modeled by the formula $T = 0.06x$.

Find the sales tax on an item whose price is $120.

Solution

Plug in $x = 120$ into the formula.

$$T = 0.06(120) = 7.20$$

A customer has to pay $7.20 for an item whose price is $120.