

## Exercise 4

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

Mintonville School District residents pay a wage tax  $T$  that is modeled by the formula  $T = 0.005x$ . Find the wage tax paid by a resident who earns \$62,000 per year.

---

### Solution

Plug in  $x = 62,000$  into the formula.

$$T = 0.005(62,000) = 310$$

A resident that earns \$62,000 per year has to pay \$310 in wage tax.