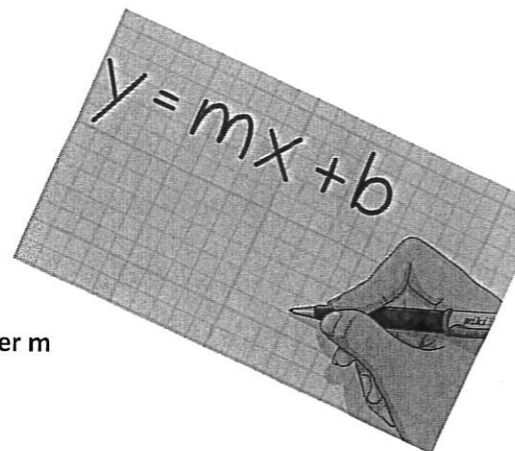


## Writing Equations Practice



Solve.

1. Mr. Thompson is on a diet. He currently weighs 260 pounds. He loses 4 pounds per month.

a. Write an equation that represents Mr. Thompson's weight after  $m$  months.

b. How much will he weigh after 4 months?

2. Paul opens a savings account with \$350. He saves \$150 per month. Assume that he does not withdraw money or make any additional deposits.

a. Write an equation that represents the total amount of money Paul deposits into his account after  $m$  months.

b. How much will he have after 1 year?

3. The population of Bay Village is 35,000 today. Every year the population of Bay Village increases by 750 people.

a. Write an equation that represents the population of Bay Village  $x$  years from today.

b. What will the population be after 10 years?

Write an equation for each of the situations below.

1. Sam is trying to save up money to buy a bike. She has \$25 saved already. Each time she babysits she earns \$10. Write an equation which shows the amount of money  $m$  that Sam has given the number of times she babysits  $n$ .
2. Marc owes his friend \$100. Each week Marc pays his friend back \$15. Write an equation which shows that amount of money that Marc still owes  $m$  and the number of weeks that have gone by  $w$ .
3. A cell phone company charges a flat fee of \$50 a month. They charge an extra \$5 per gig of data used. Write an equation which shows the cost  $c$  given the number of gigs of data used  $g$ .
4. A town has 1,000 residents in it. Each year, 50 residents move out of the town. Write an equation which show the number of residents  $r$  given the number of years that have gone by  $y$ .
5. Tom has 152 pieces of candy left from Halloween. Each day he eats 7 pieces of candy. Write an equation which the pieces of candy  $c$  given the number of days that have gone by  $d$ .