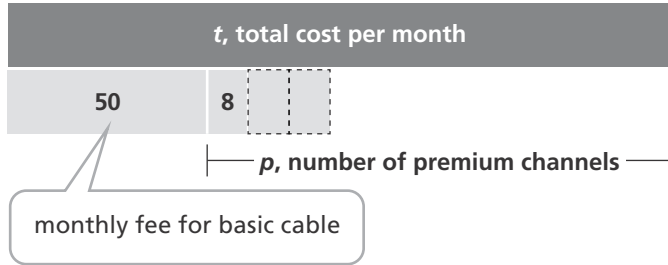


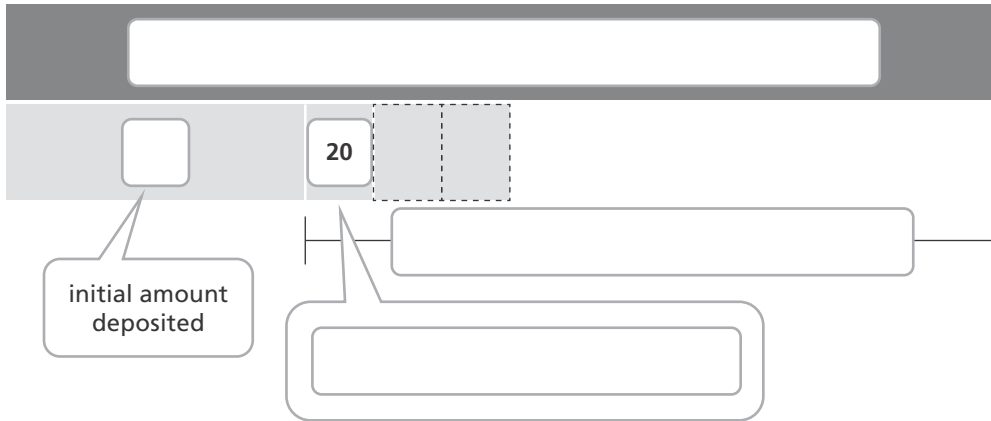
You can use a bar diagram to help you write the equation of a linear function.

A cable company charges a \$50 monthly fee for basic cable and \$8 per month for each premium channel a customer orders.

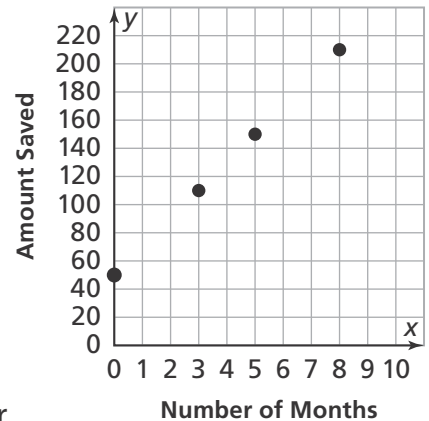


The function in the form $y = mx + b$ is $t = 8p + 50$.

Colleen opened a savings account with \$50. She plans to deposit \$20 each month into the account.



1. Complete the bar diagram to represent Colleen's savings.
2. Does the graph show that the relation of the number of months to amount saved form a function? Explain.



On the Back!

3. From ages 6 through 10, Krysta grew one inch each year. Does the relation of her height to her age represent a function? If so, is it a linear function? Explain.