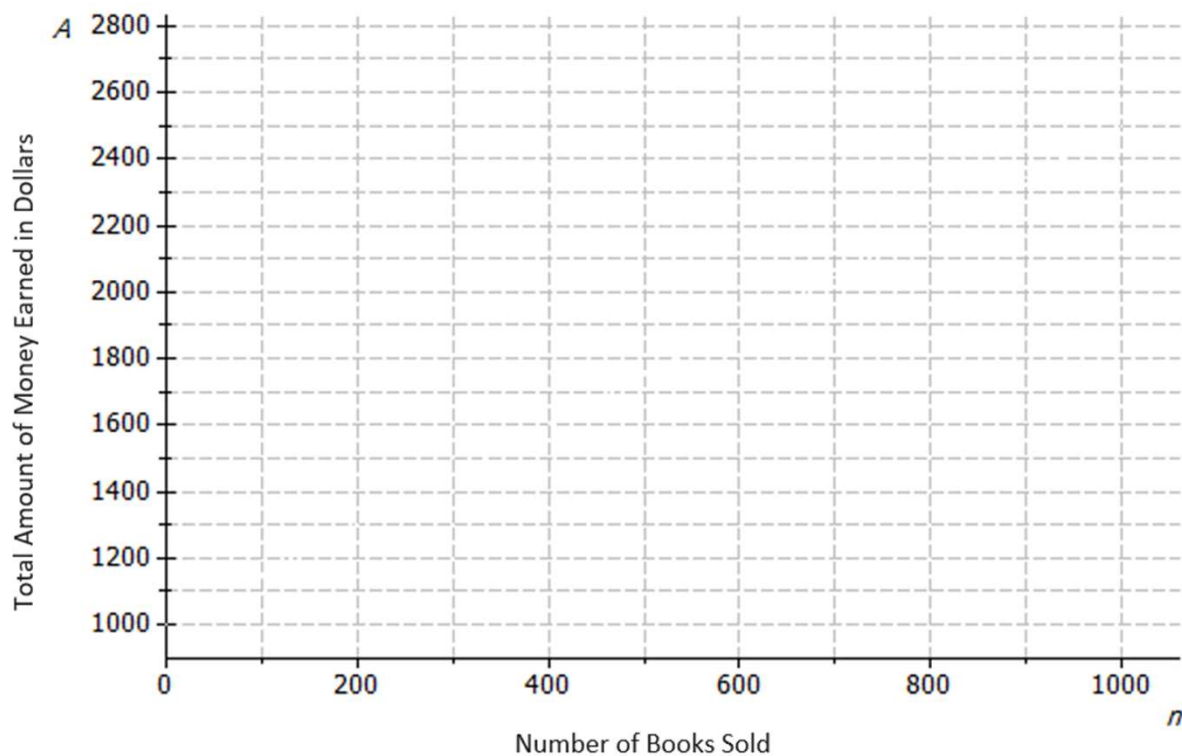


Representations of a Line

1. An author has been paid a writer's fee of \$1,000 plus \$1.50 for every copy of the book that is sold.
 - a) Sketch the graph of the linear function that relates the total amount of money earned in dollars, A , to the number of books sold, n , on the axes below.



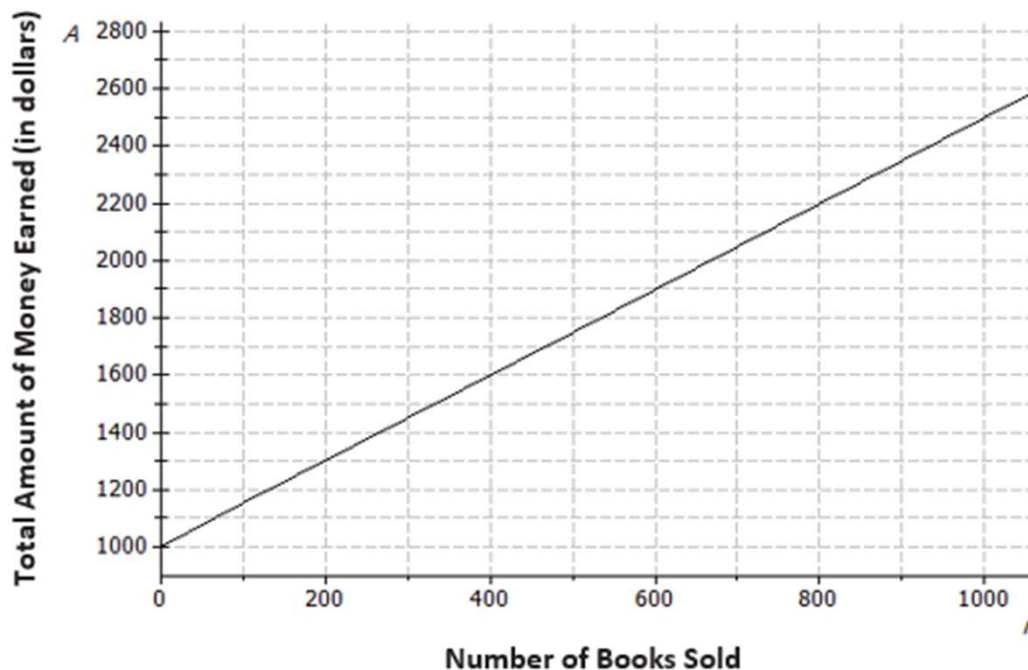
- a) What is the rate of change that relates the total amount of money earned to the number of books sold?
- b) What is the initial value of the linear function based on the graph?
- c) Let the number of books sold be n and the total amount earned be A . Construct a linear function that models the relationship between the number of books sold and the total amount earned.

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a) What is the rate of change that relates the total amount of money earned to the number of books sold?

1.5

b) What is the initial value of the linear function based on the graph?

1,000

c) Let the number of books sold be n and the total amount earned be A . Construct a linear function that models the relationship between the number of books sold and the total amount earned.

$$A = 1.5n + 1000$$

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