Constant of Proportionality

Name	Date	Period

Determine what the Constant of Proportionality (k) is for each of the tables, graphs, and equations. Write the equation for the table or the graph using the Constant of Proportionality.

1.

Seconds	Feet
2	12
4	24
6	36
8	48

Constant of Proportionality (k) =

Equation:

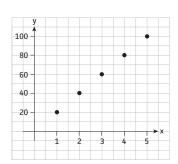
2.

x (Number of Years)	y (Deaths of Black Americans)
1	39,000
2	78,000
3	117,000
4	156,000
5	195,000

Constant of Proportionality (k) =

Equation: _____

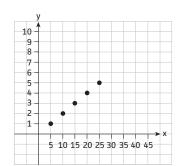
3.



Constant of Proportionality (k) =

Equation: _____

4.



Constant of Proportionality (k) =

Equation: _____

5.

$$y = \frac{63}{100}x$$

Constant of Proportionality (k) =

6.

$$y = 23x$$

Constant of Proportionality (k) =

EXTENSION: Pick one of the equations above and explain what it could represent in words. For example, y = 23x could represent the total amount of money I made (y) when I got paid \$23 per hour and I worked x hours.

Retrieved from the companion website for *Middle School Mathematics Lessons to Explore, Understand, and Respond to Social Injustice* by Basil M. Conway IV, Lateefah Id-Deen, Mary C. Raygoza, Amanda Ruiz, John W. Staley, Eva Thanheiser, and Brian R. Lawler. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2023 by Corwin Press, Inc. All rights reserved. Reproduction authorized for educational use by educators, local school sites, and/or noncommercial or nonprofit entities that have purchased the book.