Name Date Date Date	Name	Date	Class
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4 Is That Your Foot?

Activity 1: Walk-a-thon Use after Lesson 4-4

By measuring how far you can walk in 1 minute, you can make predictions about how far you can walk in longer periods of time.

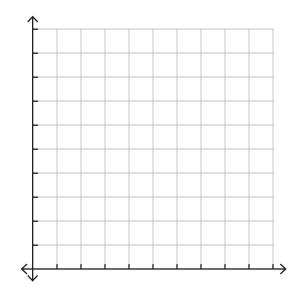
1. Use a stopwatch to time yourself as you walk for 1 minute. Walk comfortably without rushing. Measure the distance you walked in feet.

2. Multiply the distance by 60 to estimate how many feet you can walk in 1 hour. Then convert feet to miles to find your walking rate in miles per hour.

3. The function y = rx describes the distance y in miles you can walk in x hours, where r is your rate in miles per hour. Rewrite this function using your rate from Problem 2.

4. Use the function to make a table of ordered pairs. Then graph the ordered pairs. Draw a line through the points to show all the ordered pairs that satisfy the function.

X	y = rx	(x, y)
1		
3		
5		
7		
9		



5. Use your graph to predict how far you could walk in an 8-hour walk-a-thon.

Name		Date	Class
CHAPTER Project			
	our Foot? continued		
Activity 2: Scene of	the Crime Use after Lo	esson 4-5	
can use this correlation the ength of his or her footp	ween a person's height a to predict a person's heig rint. Measure the length of yo	ht when you know	v the
2. Measure your heigh	t in centimeters.		
3. Collect data from yo	ur classmates to complet	e the table.	
Height (cm)	Foot Length (cm)	Height (cm)	Foot Length (cm)
4. Graph a scatter plot draw a trend line.	of the data, and	<u> </u>	
5. Describe the correla your scatter plot.	tion illustrated by		
6. A set of footprints le measure 24 cm in le scatter plot, estimate	ength. Based on your		