

Lesson 7 Homework Practice

Words, Equations, Tables, and Graphs

Copy and complete each table. Then write an equation to represent the relationship.

1. Each copy of a book costs \$18 and shipping is \$9 per order. (Let b = number of books, Let c = total cost)

b		c
2		
3		
4		
5		

2. The number of girls at a camp is 17 less than twice the number of boys. (Let b = number of boys, Let g = number of girls)

b		g
40		
58		
82		
100		

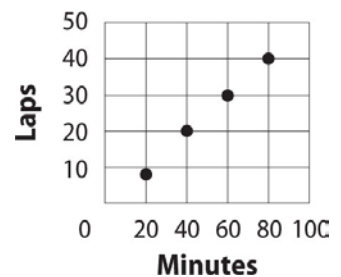
3. Tom's height is 10 inches more than one third of his older sister's height. (Let s = sister's height, Let t = Tom's height)

s		t
66		
57		
51		
42		

4. The charge for a hotel room is \$75 per night plus a \$15 booking fee. (Let n = number of nights, Let c = total charge)

n		c
2		
4		
8		
14		

5. Carly walked laps in a charity walk-a-thon. The graph shows the number of laps walked over 80 minutes.



- a. Make a table showing the input, minutes, and the output, laps walked.

m				
n				

- b. Can you write one equation that can be used to find the laps, n , based on the minutes, m ? Define your variables.

- c. State the domain and range of the relation.