

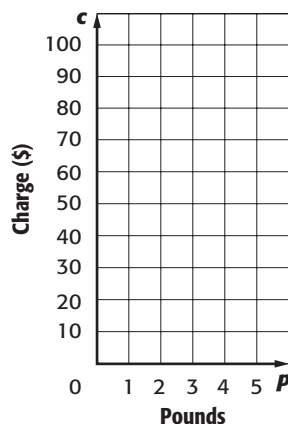
# Lesson 3 Problem-Solving Practice

## Functions and Equations

- 1. FISHING** A lake owner charges \$80 for a day's guided fishing trip, plus \$5 for each pound of fish caught. Write the equation that describes the total charge  $c$  for the number of pounds  $p$  of fish. Make a function table for the input-output values.

$p$	$80 + 5p$	$c$
0		
1		
2		
3		

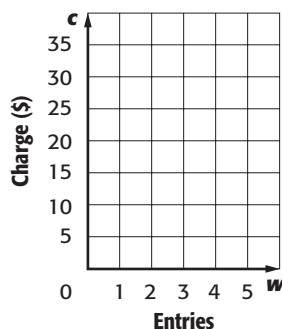
- 2.** Graph the function from Exercise 1.



- 3. MAGAZINE** A writer's magazine subscription costs \$24 per year plus \$4 for each writing contest the subscriber enters. Write the equation that describes the total charge  $c$  for the number of contest entries  $w$ . Make a function table for the input-output values.

$w$	$24 + 4w$	$c$
0		
1		
2		
3		

- 4.** Graph the function from Exercise 3.



- 5. DAY CARE** A day care center charges \$75 per week for one child, plus \$30 per sibling. Write the equation that describes the total charge  $t$  for the number of siblings  $s$ . Make a function table for the input-output values.

$s$	$75 + 30s$	$t$
0		
1		
2		
3		

- 6.** Graph the function from Exercise 5.

