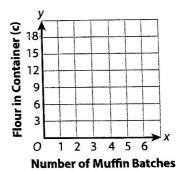
Solve the problems.

1 Martin has an 18-cup container of flour that he uses for muffins only. He uses 3 cups of the flour for every batch of muffins he makes. Write an equation to show how much flour is left in the container after x batches of muffins. Then graph the function.

Show your work.



Flour Use



Solution: __

2 Which equation describes the function shown in the table?

x	-2	-1	0	1	2
у	-1	2	5	8	11

A
$$y = x + 5$$

B
$$y = 3x + 5$$

C
$$y = \frac{1}{3}x + 5$$

D
$$y = 5x + 3$$

Jacob chose **D** as the correct answer. How did he get that answer?

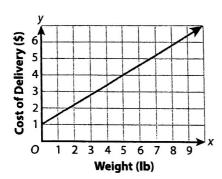
How ca	n you use a
	find the
	a function?
	15 M/N



Lesson 9 Analyze Linear Functions

Solve.

3 The cost of having a package delivered by Quick Bicycle Delivery is a function of the weight of the package. The graph of this function is shown.



What does the slope represent in the function?

Tell whether each statement is *True* or *False*.

a. When the weight is greater than 15 pounds, the cost will be greater than \$10.

____ True ____ False

b. An equation that represents this graph is y = x + 0.6.

True False

c. The slope is 1.

____ True ____ False

d. The cost of delivery decreases by \$0.60 for each pound the weight decreases.

True False

The lines passing through which pairs of points have a positive *y*-intercept? Select all that apply.

A (-3, 10) and (1, 2)

B (-1, 6) and (0, 2)

C (1, 2) and (3, 4)

D (0, -4) and (3, -2)

E (3, 1) and (5, 2)

Remember that you can use the formula for the slope when you know two points.

