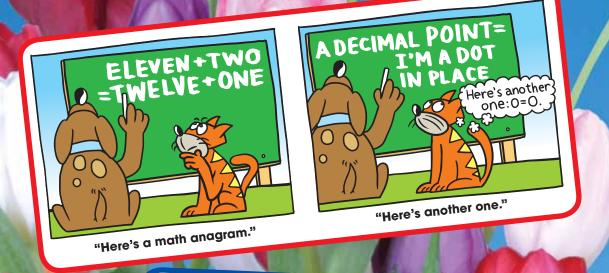
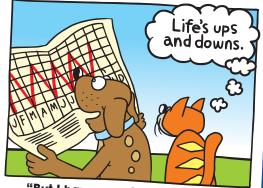
Tables, Graphs, and Functions

- 9.1 **Mapping Diagrams**
- **Functions as Words and Equations** 9.2
- 9.3 **Input-Output Tables**
- 9.4 Graphs
- 9.5 **Analyzing Graphs**





"The price of dog biscuits is up again this month."



"But I have a really good feeling about November."

What You Learned Before

Identifying Patterns

"Here's an interesting survey about Example 1 Using the numbers from the In and Out Table, find and state the rule in words.

In	Out
30	0
40	10
50	20
60	30

Each Out value is 30 less than the In value.

The In value minus 30 equals the Out value.

Squeaky Toy ## 111 Tennis ball III Stick

Calculator

Try It Yourself

Using the numbers from the In and Out Table, find and state the rule in words.

1.	In	Out
	5	10
	7	14
	10	20
	40	80

2.	In	Out
	0.5	1
	1.5	2
	3	3.5
	9.5	10

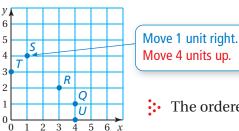
3.	In	Out
	13	0
	15	2
	30	17
	45	32

favorite dog toys."

Let me guess. You took the survey twice, right?

Plotting Points

Example 2 Write an ordered pair corresponding to Point S.



The ordered pair (1, 4) corresponds to Point S.

Try It Yourself

Use the graph in Example 2 to write an ordered pair corresponding to the point.

- **4.** Point *Q*
- **5.** Point *R*
- **6.** Point *IJ*
- **7**. Point *T*