

9 Tables, Graphs, and Functions

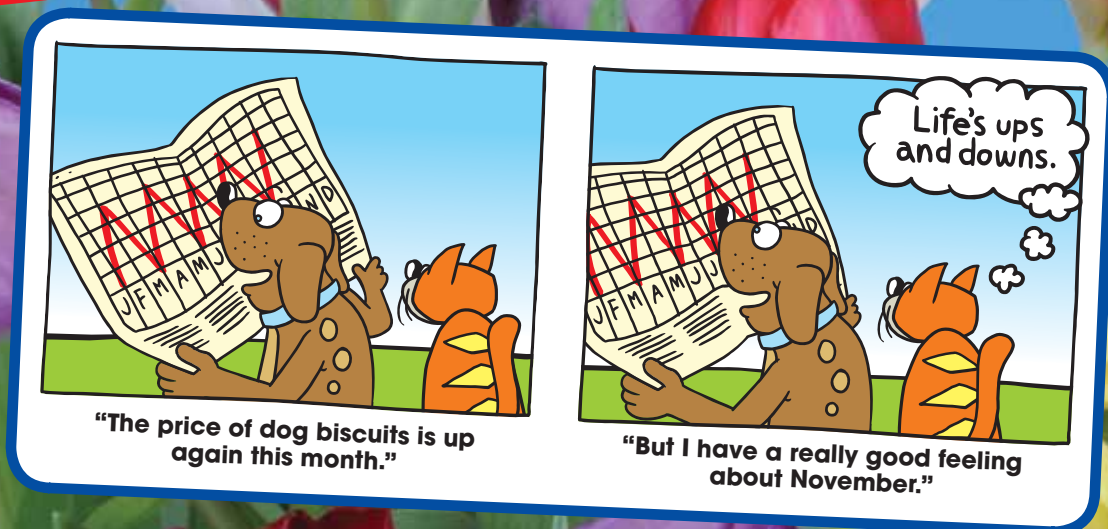
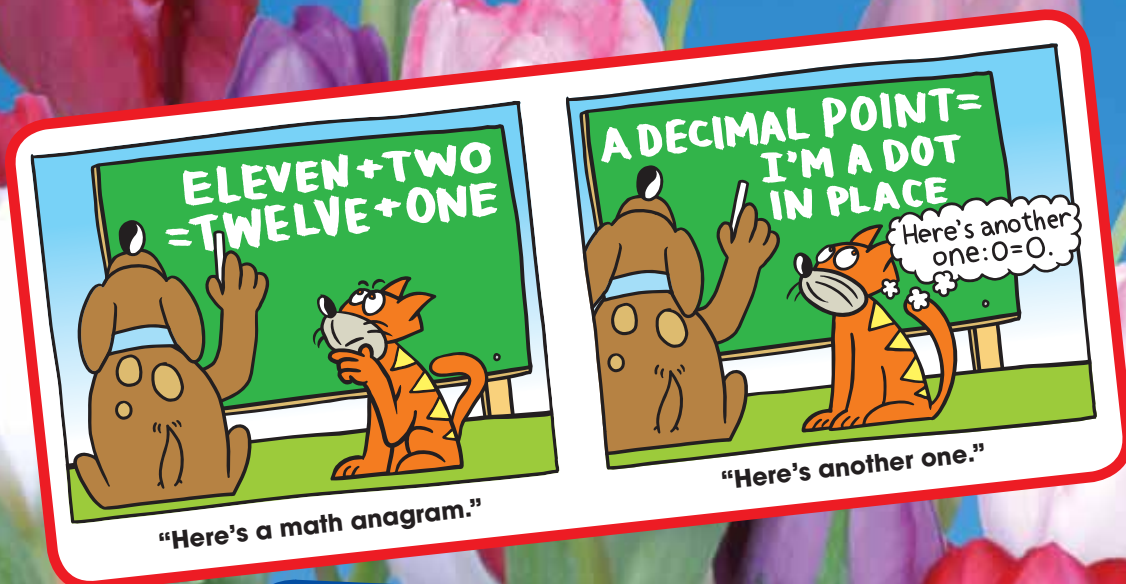
9.1 Mapping Diagrams

9.2 Functions as Words and Equations

9.3 Input-Output Tables

9.4 Graphs

9.5 Analyzing Graphs



What You Learned Before

Identifying Patterns

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.

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.

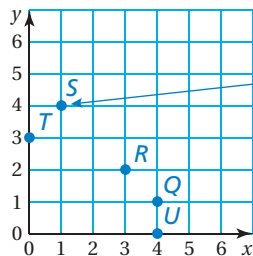
In	Out
0.5	1
1.5	2
3	3.5
9.5	10

3.

In	Out
13	0
15	2
30	17
45	32

Plotting Points

Example 2 Write an ordered pair corresponding to Point S.



Move 1 unit right.
Move 4 units up.

∴ 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 U

7. Point T

