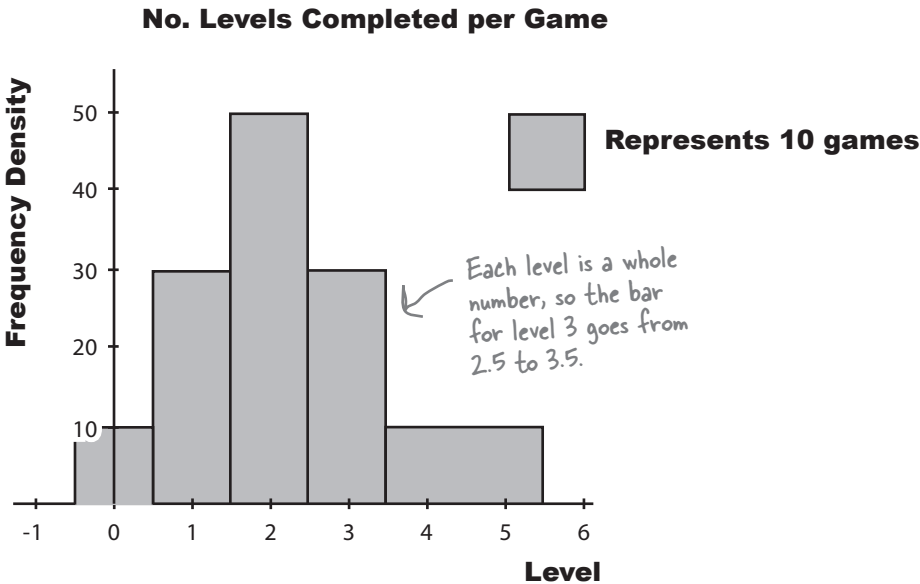**Exercise Solution**

Here's a histogram representing the number of levels completed in each game of Cows Gone Wild. How many games have been played in total? Assume each level is a whole number.

No. Levels Completed per Game

Represents 10 games

Each level is a whole number, so the bar for level 3 goes from 2.5 to 3.5.

We need to find the total number of games played, which means we need to find the total frequency.

The total frequency is equal to the area of each bar added together. In other words, we multiply the width of each bar by its frequency density to get the frequency, and then add the whole lot up together.

Level	Width	Frequency Density	Frequency
0	1	10	1×10 = 10
1	1	30	1×30 = 30
2	1	50	1×50 = 50
3	1	30	1×30 = 30
4–5	2	10	2×10 = 20

Total Frequency = 10 + 30 + 50 + 30 + 20

= 140