

Lesson 2-2 • Group 2

Reinforce Understanding

2.2 Small Group • Group 2

I can make and read a histogram to display data in intervals, explain why the method works, and use it on a problem I have not seen before.

Worked model

Seven plants grew these heights in cm: 61, 74, 88, 76, 63, 71, 79. Use ten-unit intervals.

1. Choose equal intervals that cover the data with no gaps: 60-69, 70-79, 80-89.
2. Tally each value into exactly one interval. 61 and 63 both land in 60-69.
3. Count each interval. 60-69 holds two plants, 70-79 holds four, 80-89 holds one.
4. Draw touching bars at those heights above the three interval labels.

Answer: The frequency table reads 60-69: 2, 70-79: 4, 80-89: 1, and the tallest bar is 70-79.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Complete the table.

Complete the table. Show how you found each value.

Interval (Yards)	Frequency
Player rushing yards per game: 0, 5, 12, 15, 18, 22, 25, 28, 31, 35, 40, 45	
0–9	
10–19	
20–29	
30–39	
40–49	

Show your work

2. Match each term to its description.

Write the letter of the matching item on each line.

1. _____ Histogram
 2. _____ Bar graph
 3. _____ Frequency
 4. _____ Interval
- A Bars touch, shows frequency by interval
 - B Bars separated, shows categories
 - C Count of values in an interval
 - D Range of values grouped together