Represent and Describe Data in a Histogram

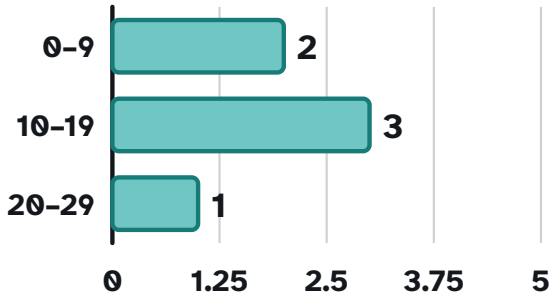
Group numbers into equal ranges and draw a histogram to show how many values are in each.

Name _____ **Date** _____

Tonight's spark

A coach lists the points six players scored: 3, 7, 12, 15, 18, 24. She sorts them into groups: 0–9, 10–19 and 20–29. Which group holds the most players?

Make a guess first: 0–9, 10–19, or 20–29?



Our class model: sorting into equal intervals

Try it

Work it out on paper. Write one answer on each line.

1 **In a histogram, what does the height of a bar show?**

A. The largest value in the interval **B.** The width of the interval

C. The frequency: how many values fall in that interval **D.** The middle value of the data

My answer _____

2 **Data: 2, 5, 9, 11, 14. Intervals are 0–9 and 10–19. How many values are in 0–9?**

A. 3 **B.** 2 **C.** 5 **D.** 9

My answer _____

3 **Which interval does the value 23 belong in?**

A. 10–19 **B.** 20–29 **C.** 30–39 **D.** 0–9

My answer _____

4 **A frequency table shows 0–4: 2, 5–9: 6, 10–14: 3. Which interval has the tallest bar?**

A. 0–4 **B.** 10–14 **C.** They are all the same height **D.** 5–9

My answer _____

5 **A histogram has bars of height 2, 5, 4, and 1. How many values are in the data set?**

A. 5 **B.** 12 **C.** 4 **D.** 8

My answer _____

Talk about it

What does the height of a bar count?

Home mission

Write 3, 7, 12, 15, 18 and 24 on six small papers. Make three piles labeled 0–9, 10–19 and 20–29. Sort the papers into the piles. Which pile is the tallest? Line the piles up side by side. Do they touch?

If we get stuck, ask

- Which interval does this number belong in?
- How many numbers landed in this interval? That is the bar's height.
- Which interval has the most numbers? That bar is the tallest.

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/2-2/homework.html

How did it feel? (optional)

Tricky Getting there Got it