

Lesson 2-5 • Catch-up

Reinforce Understanding

2.2 • 2.4 • 2.5 • 2.10 Catch-Up

I can show I am caught up on Lessons 2.2 • 2.4 • 2.5 • 2.10 by using each lesson's big idea in mixed practice.

Worked model

Seven history test scores are 74, 90, 83, 68, 86, 77, 94. Find the range and the IQR.

1. Order the values: 68, 74, 77, 83, 86, 90, 94.
2. Range: take the least value away from the greatest value. That gives 26 points.
3. The median is 83, so quartile 1 is 74 and quartile 3 is 90.
4. IQR: take quartile 1 away from quartile 3. That gives 16 points.

Answer: The range is 26 points and the interquartile range is 16 points.

Practice

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

1. (Lesson 2.2) In a histogram, what does the height of each bar represent?

Circle the letter of the best answer. Show how you know.

- A. The average of the data in that interval
- B. The frequency (count) of data in that interval
- C. The range of the interval
- D. The median of the data

Show your work

2. (Lesson 2.4) On a box plot, what does the line inside the box represent?

Circle the letter of the best answer. Show how you know.

- A. The mean
- B. The median
- C. The mode
- D. The range

Show your work

3. (Lesson 2.2) A histogram shows these frequencies: 0–4: 3 players, 5–9: 8 players, 10–14: 12 players, 15–19: 5 players. How many players are represented in total?

Circle the letter of the best answer. Show how you know.

- A. 12
- B. 15
- C. 20
- D. 28