Name_____ Date_____ Period_____

LESSON 2-4 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Find a Five-Number Summary

Builds on Lesson 2-4 Session 1 · 6.SP.B.4

TODAY'S LESSON	In problem 2, each team's seven scores become five numbers: min, Q1, median, Q3, max.
YOU NEED TO	Find the min, Q1, median, Q3, and max of a data set. **You will use it in Practice Form A, problem 2.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Order** the data. The ends are the min and max.
2. Find the **median**. It splits the data in half.
3. Find the middle of each **half**: Q1 and Q3.

WATCH ME

the steps in action

Find the five-number summary of 14, 31, 20, 9, 27, 18, 23.

Step 1 9, 14, 18, 20, 23, 27, 31. Min 9, max 31.

Step 2 The median is 20.

Step 3 Lower half 9, 14, 18: Q1 = 14. Upper half 23, 27, 31: Q3 = 27.

Answer **9, 14, 20, 27, 31**

TRY IT WITH HELP

fill in each step

1. Find the five-number summary of 1, 3, 5, 7, 9.

Step 1 Min = _____. Max = _____.

Step 2 Median = _____.

Step 3 Q1 = _____. Q3 = _____.

2. Find the five-number summary of 11, 25, 16, 19, 22, 14, 27.

Step 1 Min = _____. Max = _____.

Step 2 Median = _____.

Step 3 Q1 = _____. Q3 = _____.

YOUR TURN

use the steps on your own

3. Each list is in order. Write Q1 and Q3.

a. 10, 20, 30, 40, 50, 60 _____

b. 4, 6, 7, 8, 10, 12, 13, 15 _____

c. 2, 2, 5, 6, 9, 9 _____

d. 30, 35, 40, 45, 50, 55, 60, 65, 70 _____

Read a Box Plot

Builds on Lesson 2-4 Session 1 · 6.SP.B.4

TODAY'S LESSON	In problem 1 you read each quiz's median and box from two box plots.
YOU NEED TO	Read the five-number summary from a box plot. **You will use it in Practice Form A, problems 1 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1 The whisker **ends** are the min and the max.

2 The box **edges** are Q1 and Q3.

3 The line **inside** the box is the median.

WATCH ME

the steps in action

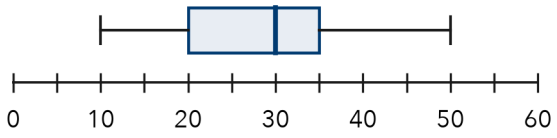
Read the five-number summary.

Step 1 Ends: min 10, max 50.

Step 2 Edges: Q1 20, Q3 35.

Step 3 Line inside: median 30.

Answer **10, 20, 30, 35, 50**



TRY IT WITH HELP

fill in each step

4. Whiskers go from 45 to 95. The box goes from 60 to 75. The line is at 70.

Step 1 Min = _____. Max = _____.

Step 2 Q1 = _____. Q3 = _____.

Step 3 Median = _____.

5. Whiskers go from 12 to 40. The box goes from 18 to 30. The line is at 22.

Step 1 Min = _____. Max = _____.

Step 2 Q1 = _____. Q3 = _____.

Step 3 Median = _____.

YOUR TURN

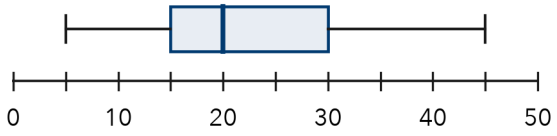
use the steps on your own

6. Read this box plot.

a. Min and max: _____

b. Q1 and Q3: _____

c. Median: _____



READY CHECK

a problem like the one in today's lesson

7. A box goes from 25 to 40 with a line at 32. What is the median?

A 25 **B** 32 **C** 40 **D** 15

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____