Name_____ Date_____ Period_____

LESSON 2-10 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Find the Mean and Median

Builds on Lessons 2-3 and 2-8 · 6.SP.B.5c

TODAY'S LESSON	In Problem 2 you find the median age, 23, and the mean age, 175 ÷ 5 = 35, then compare them.
YOU NEED TO	Find the mean and the median of one data set. **You will use it in Practice Form A, problems 2 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Order** the values. The middle value is the median.
2. **Add** the values. Divide by the count for the mean.
3. **Compare** the mean and the median.

WATCH ME

the steps in action

Find the mean and median of 18, 21, 23, 25, 88.

Step 1 The middle value is 23. Median = 23.

Step 2 175 ÷ 5 = 35. Mean = 35.

Step 3 The mean is 12 more than the median.

Answer **median 23, mean 35**

TRY IT WITH HELP

fill in each step

1. Find the mean and median of 12, 14, 16, 18, 95.

Step 1 Median = _____

Step 2 155 ÷ 5 = _____

Step 3 Which is greater? _____

2. Find the mean and median of 76, 78, 80, 82, 84.

Step 1 Median = _____

Step 2 400 ÷ 5 = _____

Step 3 Which is greater? _____

YOUR TURN

use the steps on your own

3. Find the median and the mean.

a. 2, 4, 6, 8, 10 _____

b. 1, 2, 3, 4, 40 _____

c. 10, 20, 30, 40, 50 _____

d. 5, 6, 7, 8, 24 _____

Spot an Outlier

Builds on Lesson 2-6 Session 1 · 6.SP.B.5d

TODAY'S LESSON	In Problem 2, 88 sits far from 18, 21, 23 and 25. Spot it before you choose mean or median.
YOU NEED TO	Spot an outlier: a value far from the rest of the data. **You will use it in Practice Form A, problems 1 and 2.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Order** the values.
2. **Look** at the gaps between neighbors.
3. **Name** a value with a much bigger gap than the rest.

WATCH ME

the steps in action

Is there an outlier in 18, 21, 23, 25, 88?

Step 1 18, 21, 23, 25, 88.

Step 2 Gaps: 3, 2, 2, then 63.

Step 3 88 is far from the rest.

Answer **88**

TRY IT WITH HELP

fill in each step

4. Is there an outlier in 95, 98, 101, 103, 143?

Step 1 Order: _____

Step 2 Gaps: 3, 3, 2, then _____

Step 3 Outlier: _____

5. Is there an outlier in 20, 22, 24, 26, 28?

Step 1 Order: _____

Step 2 Gaps: _____

Step 3 Outlier: _____

YOUR TURN

use the steps on your own

6. Name the outlier, or write none.

a. 3, 4, 5, 6, 900 _____

b. 7, 8, 9, 10, 11, 12 _____

c. 50, 54, 57, 59, 200 _____

d. 8, 9, 11, 12, 13, 15, 72 _____

READY CHECK

a problem like the one in today's lesson

7. Which value is an outlier in 31, 33, 35, 37, 290?

A 31 **B** 35 **C** 37 **D** 290

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