Name_____ Date_____ Period_____

LESSON 2-8 · SESSION 1 · PRACTICE · FORM B

Finding the Mean

Learning target – I can find the mean of a data set by sharing the total equally among the values. · 6.SP.B.5c

REMEMBER

- The **mean** is a fair share: add all the values, then **divide by how many** values there are.
- Count **every** value, even a 0.
- The mean is always between the least and greatest values.

WORKED EXAMPLE

Four friends have 3, 5, 6 and 10 stickers. Find the mean.

Step 1 Add: 3 + 5 + 6 + 10 = 24.

Step 2 Count: there are 4 values.

Step 3 Divide: 24 ÷ 4 = 6. Check: 6 is between 3 and 10.

Answer **6 stickers each**

WORDS **mean** *(media)* · **average** *(promedio)* · **measure of center** *(medida de centro)* · **data set** *(conjunto de datos)*

PRACTICE

show your work · label units

1. Find the mean of each data set.

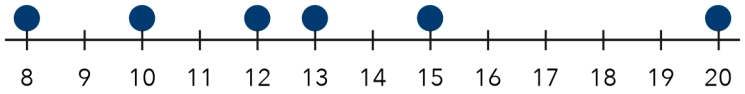
a. 6, 9, 7, 10, 13 _____

b. 5, 8, 6, 9, 12 _____

c. 14, 19, 21, 17, 24, 25 _____

d. 10, 26, 22, 30, 34, 28 _____

2. **Bird Feeder.** The dot plot shows the number of birds that visited a feeder on six mornings.



Visits Each Morning

a. Total visits: _____

b. Mean visits per morning: _____

3. **Seedling Growth.** Five seedlings grew 14, 10, 18, 12 and 16 cm. Find the mean growth.

Hint *Total the growths first, then share the total among 5.*

Show your work.

Answer_____ cm

4. **Repeated Values.** For 20, 20, 20, 60, Leo says the mean is 20 because most values are 20. Is he right? Find the mean.

Hint *The mean uses every value. Total them all first.*

Show your work.

Mean_____

5. **Sticker Swap.** Four friends have 4, 9, 6 and 13 stickers. They share them evenly. How many does each get?

Hint *Sharing equally means dividing the total by 4.*

Show your work.

Answer_____ stickers

6. **Dog Walking.** Five afternoons of dog walking earned $16, $22, $18, $20 and $29. Find the mean earnings.

Show your work.

Answer_____ dollars

7. **The Zero Day.** A student earned $13, $0, $16, $8 and $18 recycling cans on five days. Omar says to leave out the $0 day. Is he right? Find the mean.

Hint *Count every day, including the day with $0.*

Show your work.

Answer_____ dollars

8. **Class Fundraiser.** Six students raised $35, $40, $30, $55, $45 and $47.

a. Find the mean amount raised. _____ dollars

b. A seventh student raises $98. Will the mean rise or fall? Find the new mean. _____ dollars

Show your work.

FIND THE ERROR

explain the mistake, then fix it

9. Keisha's Work. For 7, 11, 9, 13, Keisha added the values and wrote that the mean is 40. Explain her mistake and find the mean.

TEST PRACTICE

choose the best answer

10. Find the mean of 4, 4, 4, 8.

A 4 **B** 8 **C** 5 **D** 20

11. The mean is found by dividing the sum by the –

A greatest value **B** number of values **C** least value **D** median

SELF-CHECK CODE

find your answer · copy its letter into that problem's box · spell a math word

42	14	13	11	13.75	8	15.6	21	120	30
E	A	B	C	Q	A	Z	N	X	L

#2b	#3	#4	#5	#6	#7	#8a

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