LESSON MAKER PRO

Mean Mission

Find the average value in each set of data.

GRADE 5 · 5.PS.2.b

5.PS.2.b "Describe and determine the mean of a set of data values representing data from a given context as a measure of center."

NAME _____ DATE _____

FINDING THE MEAN

The mean is one measure of center. Add all the data values, then divide the total by the number of values.

WORKED EXAMPLE

Four game scores were 17, 19, 23, and 25 points. Find the mean score.

1. Add the scores: 17 + 19 + 23 + 25 = 84.
2. Count the scores: 4.
3. Divide: 84 / 4 = 21.

Answer: The mean score is 21 points.

PRACTICE 6 problems

1 Find the mean of 6, 8, 10, and 12.

ANSWER _____

2 Four seedlings grew 14 cm, 16 cm, 18 cm, and 20 cm. Find the mean growth. Then state what the mean describes.

ANSWER _____

3 A player earned 31, 33, 35, and 37 points in four games. What was the mean number of points?

ANSWER _____

4 Find the mean of 22, 26, 30, and 34.

ANSWER _____

5 A reader finished 41, 43, 45, 47, and 49 pages on five days. Find the mean number of pages. Then state what the mean describes.

ANSWER _____

6 Three bike rides lasted 52 minutes, 56 minutes, and 60 minutes. Find the mean ride time.

ANSWER _____

APPLY IT Show your work

1 The table shows the number of goals a student made during four soccer practices. Find the mean number of goals. Describe what the mean tells about the practices.

SOCCER PRACTICE GOALS

Practice	Goals Made
Monday	4
Tuesday	6
Thursday	8
Friday	10

ANSWER _____

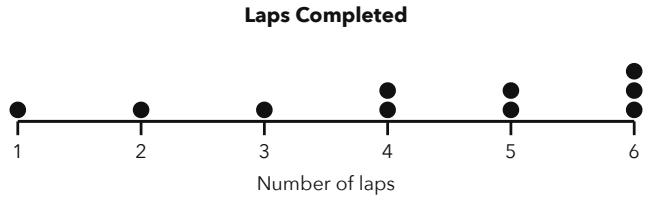
2 A library club recorded the numbers of pages read by five members: 18, 20, 24, 26, and 32. Find the mean number of pages read. Describe what the mean tells about the club.

WORK SPACE

ANSWER _____

CHALLENGE One step up

The dot plot shows the number of laps completed by 10 students. Jae says the mean is 4 because 4 is one of the data values. Is Jae correct? Find the mean and explain your reasoning.



WORK SPACE AND ANSWER

ANSWER KEY

Mean Mission

GRADE 5 · 5.PS.2.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find the mean of 6, 8, 10, and 12.	**9**
2	Four seedlings grew 14 cm, 16 cm, 18 cm, and 20 cm. Find the mean growth. Then state what the mean describes.	**17 cm; the seedlings grew 17 cm on average.**
3	A player earned 31, 33, 35, and 37 points in four games. What was the mean number of points?	**34 points**
4	Find the mean of 22, 26, 30, and 34.	**28**
5	A reader finished 41, 43, 45, 47, and 49 pages on five days. Find the mean number of pages. Then state what the mean describes.	**45 pages; the reader finished 45 pages per day on average.**
6	Three bike rides lasted 52 minutes, 56 minutes, and 60 minutes. Find the mean ride time.	**56 minutes**

PART 2 · APPLY IT

1. **7 goals; the student made 7 goals per practice on average.** Add 4 + 6 + 8 + 10 to get 28. Divide 28 by 4 practices to get 7.
2. **24 pages; the club members read 24 pages each on average.** Add the five values to get 120. Divide 120 by 5 members to get 24.

CHALLENGE

No. The data values total 42, and 42 / 10 = 4.2. The mean is 4.2 laps.

Accept correct units and descriptions that state the mean is the average for the group or time period. For the challenge, accept 4.2 or 4 1/5 laps.