

# Describe Data Using the Mean

Lesson 2-8

**Name:**

**Date:**

**Class:**

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## TODAY'S OBJECTIVES

**Content Objective:** I can determine the mean of a data set, use a target mean to find a missing value, and explain the mean as the fair share and the balance point of the data.

**Language Objective:** I can explain my reasoning using the words mean, average, measure of center, balance point, and data set.



See **Learn It** for the explanation and worked examples, and the **Vocab** tab for the words. These are your notes to fill in and keep.



Fill in each blank as we go. Use the Word Bank to help you.



## WORD BANK — FILL EACH BLANK WITH THE BEST WORD

Mean

Average

Measure of center

Balance point

Data set



Tap any word to see what it means and a picture.

1

The value found by adding all the data and dividing by how many values there are is the .

2

A common everyday word that means the same thing as the mean is the .

3

A single number that describes the typical value of a whole data set is a .

4

The value where the total amount above equals the total amount below is the .

5

The whole collection of collected values is the .

## Write About the Math

**How many points does Sofia need to score in the last game to hit her goal, and how does the balance-point view give the same answer as adding and dividing?**

*¿Cuántos puntos necesita anotar Sofía en el último partido para llegar a su meta, y cómo da la vista del punto de equilibrio la misma respuesta que sumar y dividir?*

Say your answer to a partner first. Then write it, using at least two of these words:

☐ **Mean**  
*Media*

☐ **Average**  
*Promedio*

☐ **Measure of center**  
*Medida de centro*

☐ **Balance point**  
*Punto de equilibrio*

☐ **Data set**  
*Conjunto de datos*

**Model:** A typical day is the amount Miguel would earn if he earned the SAME amount every day. — Students say a typical day is the equal-share amount, and that sharing \$60 across 4 days means dividing.

### Start

Complete the frames. Use the word bank.

*Completa las oraciones. Usa el banco de palabras.*

- After 9 games Sofia has scored \_\_\_\_ points. To average 15 across 10 games she needs \_\_\_\_ points in all, so game 10 must be \_\_\_\_ points. Using the balance point instead, her games total \_\_\_\_ points below the target mean and \_\_\_\_ points above it, so game 10 has to land \_\_\_\_ the target mean.
- My answer is \_\_\_\_ because \_\_\_\_.  
*Mi respuesta es \_\_\_\_ porque \_\_\_\_.*

### Build

Write two connected sentences. Use because, so, or but.

*Escribe dos oraciones conectadas. Usa porque, entonces o pero.*

- My claim is \_\_\_\_.

*Mi afirmación es \_\_\_\_.*

- **My evidence is** \_\_\_\_, **so** \_\_\_\_.

*Mi evidencia es \_\_\_\_, entonces \_\_\_\_.*

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## Explain

Write a claim, give math evidence, and explain your reasoning.

*Escribe una afirmación, da evidencia matemática y explica tu razonamiento.*

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☐ I answered the question.

☐ I used math evidence: numbers, an equation, or a model.

☐ I used at least two math words.