Mean

The mean is the sum of all the values in a set divided by the number of items in the set. The mean is also called the average.

How to find the mean of a set of data:

Eduardo surveyed 7 of his friends to find out how many books they read during the month. The frequency table shows the data. What is the average number of books read by Eduardo's friends?

Book Reading	
Friend	**Number of books read**
Jean	2
Raul	3
Sally	8
Jonathan	5
Haley	6
Kristen	3
Owen	1

1. Add the number of books read by each friend.

$2 + 3 + 8 + 5 + 6 + 3 + 1 = 28$

2. Divide the sum of by the number of friends.

$\frac{28}{7} = 4$

3. Use the average to answer the question.

Eduardo's friends read an average of 4 books during the month.

---

1. Find the mean of this set of data: 241, 563, 829, 755. _____

2. This frequency table shows the number of silver medals won by American athletes in Summer Olympic Games between 1972 and 2000. What is the mean of this set of data?

   _____

3. **Estimation** What is the approximate average of these three numbers: 9, 18, and 31? _____

4. **Explain It** Explain how you would find the mean of this set of data: 4, 3, 5.

   _____

   _____

US Silver Medals Summer Olympics Games	
Year	**Medals**
2000	24
1996	32
1992	34
1988	31
1984	61
1980	0
1976	35
1972	31