

## Averages or The Mean

The **average** of a set of numbers is simply the sum of the numbers divided by the total number of values in the set.

Let's look at this situation:

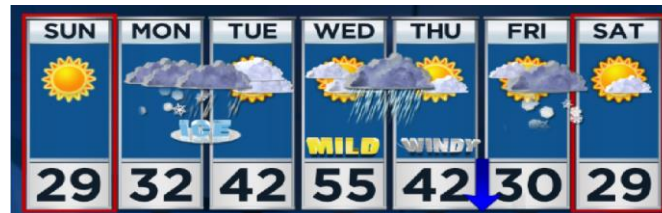
A student scores 85, 90, 80, 90, and 100 on 5 quizzes. What is the average score on these 5 quizzes?

Step 1 - We add all the numbers to find the total.

Step 2- We divide the total by 5. (5 quizzes)

Step 3- Therefore, the average score is \_\_\_\_\_

This is a 7-day Weather Forecast. Find the average temperature.



Step 1 - We add all the temperatures to find the total.

Step 2- We divide the total by 7. (7 days)

Step 3- Therefore, the average is temperature is \_\_\_\_\_

5 bottles contain the following amounts of wine:



700ml, 730ml, 720ml, 750 ml and 760 ml

Step 1 - We add all the temperatures to find the total.

Step 2- We divide the total by 5. (5 bottles)

Step 3- Therefore, the average is amount is \_\_\_\_\_

For more challenging problems find this video on youtube

[https://www.youtube.com/watch?v=pGzN4mZ\\_G1w](https://www.youtube.com/watch?v=pGzN4mZ_G1w)

## Averages or The Mean

The **average** of a set of numbers is simply the sum of the numbers divided by the total number of values in the set.

Let's look at this situation:

A student scores 85, 90, 80, 90, and 100 on 5 quizzes. What is the average score on these 5 quizzes?

Step 1 - We add all the numbers to find the total.  $85+90+80+90+100 = 445$

Step 2- We divide the total by 5. (5 quizzes)  $445 \div 5$

Step 3- Therefore, the average score is 89

This is a 7-day Weather Forecast. Find the average temperature.



Step 1 - We add all the temperatures to find the total.  $29+32+42+44+42+30+29 = 259$

Step 2- We divide the total by 7. (7 days)  $259 \div 7$

Step 3- Therefore, the average is temperature is 37

5 bottles contain the following amounts of wine:



700ml, 730ml, 720ml, 750 ml and 760 ml

Step 1 - We add all the temperatures to find the total.

$$700\text{ml} + 730\text{ml} + 720\text{ml} + 750\text{ ml} + 760\text{ ml} = 3660\text{ml}$$

Step 2- We divide the total by 5. (5 bottles)  $3660\text{ml} \div 5$

Step 3- Therefore, the average is amount is 732ml