

Mean or Average

The mean/average is what you get when you share things out equally.

There is a formula used to calculate mean and you need to write the formula and follow the 5 steps every time that you work out the average.

Formula: Average = Add all items together
of items you have

(Add all the items together and divide by the number of items you have.)

↑
don't forget the word before the equal sign

Example: Sally's test marks are: 75%, 20%, 100%, 80%, 60%. What is her average mark?

Step #1. Write the formula for average.

$$\text{Average} = \frac{\text{add all items together}}{\text{\# of items you have}}$$

Step #2 Fill in the numbers by following the formula:

$$\text{Average} = \frac{(75+20+100+80+60)\%}{5}$$

Step #3. Add all the numbers:

$$\begin{array}{r} 100 \\ 80 \\ 75 \\ 60 \\ + 20 \\ \hline 335\% \end{array}$$

Step #4. Divide the total by the number of items.

$$\begin{array}{r} 67\% \\ 5 \overline{) 335\%} \\ \underline{-30} \downarrow \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

Step #5 Write a sentence answer.

The average of Sally's marks is 67%.

Student Name: _____

Score: _____

Mean

DS1

Calculate the mean for the following data points:

1) 23, 15, 8, 12, 26, 5, 22, 9 Mean = <input type="text"/>	2) 81, 69, 72, 80, 67, 62, 78, 74, 71, 86 Mean = <input type="text"/>
3) 54, 38, 52, 51, 49, 46, 39, 53, 47, 42, 52, 41 Mean = <input type="text"/>	4) 25, 36, 34, 17, 22, 31, 38, Mean = <input type="text"/>
5) 61, 45, 52, 48, 53, 49, 57, 46, 60, 54, 58 Mean = <input type="text"/>	6) 19, 23, 26, 22, 31, 33, 29, 21, 30 Mean = <input type="text"/>
7) 95, 88, 79, 93, 82, 90, 94, 85, 91, 83 Mean = <input type="text"/>	8) 57, 32, 45, 38, 42, 54, 51, 39, 47, 43, 36, 56 Mean = <input type="text"/>
9) 36, 47, 35, 28, 23, 32, 49, 46 Mean = <input type="text"/>	10) 78, 82, 80, 65, 69, 72, 79 Mean = <input type="text"/>
11) 99, 87, 84, 91, 97, 86, 83, 90, 93 Mean = <input type="text"/>	12) 12, 8, 5, 11, 9, 17, 13, 7, 21, 27 Mean = <input type="text"/>
13) 56, 43, 62, 59, 57, 61, 58, 44 Mean = <input type="text"/>	14) 69, 73, 62, 67, 64, 62, 75, 78, 81, 77, 84 Mean = <input type="text"/>

