Introduction to Basic Arithmetic Operation Using Python.

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The basic arithmetic operations are:

- Addition
- Subtraction
- Multiplication
- Division

Addition yields the total by combining more than one numbers.

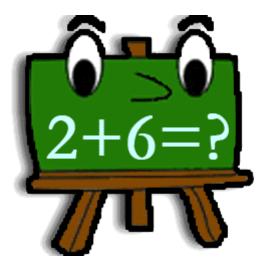


Figure Source: helpfulgames (https://www.helpfulgames.com/bilder/spel/addition.png)

For example: Suppose you have one ball and your friend has given you two more. So how many balls do you have?

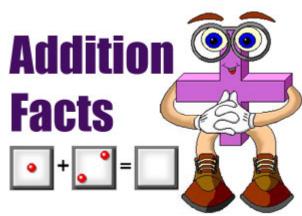


Figure Source: venturaes (https://www.venturaes.com/iosapps/images/title_addition_facts.jpg)

Ans: 1 + 2 = 3.

We can make a function (a user created program) which will take two numbers and give the addition of them.

Above, two inputs $\boxed{1}$ & $\boxed{2}$ have been given in a function that is created to add two numbers. And which successfully yields output $\boxed{3}$ as expected.

Let's make another function which will add five numbers.

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In [3]: def add_five_numbers(a,b,c,d,e):
f=a+b+c+d+e
return f
print (add_five_numbers(1,2,3,4,5))
```

Above, five inputs $\boxed{1}$, $\boxed{2}$, $\boxed{3}$, $\boxed{4}$ & $\boxed{5}$ have been given in a function that is created to add five numbers. And which successfully yields output $\boxed{15}$ as expected.

Subtraction yields the remaining by taking one number away from another.

For example: Suppose you have total five balls. So how many balls do you have after you have given two balls to you friend?



Figure Source: itunes kids (https://itunes.apple.com/us/app/kids-addition-subtraction/id426907035?mt=8)

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Ans: 5 - 2 = 3.
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Let's make a function which will take two numbers and give the substraction of second number from the first.

Above, two inputs $\boxed{5}$ & $\boxed{2}$ have been given in a function that is created to substract second number $\boxed{2}$ from first number $\boxed{5}$. And which successfully yields output $\boxed{3}$ as expected.

Multiplication = Multiple (Repeated) **Addition**.

For example : 2+2+2=6, here 2 has been repeated 3 times, so it can be again found by 2*3=6. That's let's say you have given 3 of your friends 2 balls each. How many balls have you given in total?

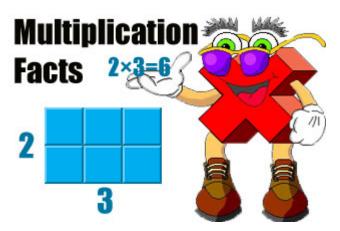


Figure Source: venturaes (https://www.venturaes.com/iosapps/images/title_multiplication_facts.jpg)

Let's make a function which will take two numbers and give the multiplication of them.

Above, two inputs 2 & 3 have been given in a function that is created to multiply two numbers. And which successfully yields output 6 as expected.

Division is breaking a number into certain equal parts.



Figure Source: stonybrook (https://you.stonybrook.edu/murphydivision/vocabulary/)

For example, $6 \div 3 = 2$. Here, $\boxed{6}$ has been splitted into $\boxed{3}$ equal parts of $\boxed{2}$.

Let's make a function which will take two numbers and give the division of second number from the first.

Above, two inputs $\boxed{6}$ & $\boxed{3}$ have been given in a function that is created to divide second number $\boxed{3}$ from first number $\boxed{6}$. And which successfully yields output $\boxed{2}$ as expected.

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