

Forum:[Hack Forums](#)

Thread: [percentages](#)

-Matatan- - June 11, 2018, 6:47 pm

I been trying to mess with the percentage in python, but every time I get more confused. when I use 0.01 that's 1% so how can I calculate 1.5%? or even 0.05% (half a percent)

based on the formula to calculate percentage which I have found on Google I made these two functions. while I can calculate 15% etc, how will I go about calculating 1.5 0.5 and so?

PHP Code

```
<?php
```

```
def calculate(last_price, percent_buy):  
    z = ('{0:.2f}'.format(float(last_price) * percent_buy))  
    final = float(last_price) + float(z)  
    return final
```

```
def calculate_perc(last_price, percent_buy):  
    z = ('{0:.2f}'.format(float(last_price) * percent_buy))  
    final = float(last_price)  
    return final
```

```
def calculate_spend(main_balance, percent_buy):  
    final = '${0:.2f}'.format(float(main_balance) * percent_buy)  
    return final
```

\$174.80

\$22.80

if there is a link or some better way to get the percentage in % and the quantity of the number I want to calculate please point me there, my brain hurts.

michalmonday - June 11, 2018, 7:07 pm

Hi, I'm not sure if that's what you're looking for but:

```
Code def p(num,num2):  
    return str(num / float(num2) * 100) + "%"
```

p(9, 10)

9/10 = 0.9 which is 90% and that's the return of this function (string is returned)

-Matatan- - June 11, 2018, 8:17 pm

(Jun 11, 2018 07:07 PM)michalmonday Wrote: [\[CITE\]](#) Hi, I'm not sure if that's what you're looking for but:

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Code def p(num,num2):  
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p(9, 10)

9/10 = 0.9 which is 90% and that's the return of this function (string is returned) what I need is more like the mathematical formula to properly get half and thirds percentages 1.3% 1.5% etc. or even half a percent 0.5% in python that's 50% I believe.

vorticalbox - June 12, 2018, 1:34 am

(Jun 11, 2018 06:47 PM)-Matatan- Wrote: [\[CITE\]](#) I been trying to mess with the percentage in python, but every time I get more confused. when I use 0.01 that's 1% so how can I calculate 1.5%? or even 0.05% (half a percent)

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a simple way to think of it is 1 == 100%, take the percent you want and divide by 100.

5% = 0.05

50 = 0.5

1.5% = 0.015

79% = 0.79

michalmonday - June 13, 2018, 3:58 am

(Jun 11, 2018 08:17 PM)-Matatan- Wrote: [\[CITE\]](#) what I need is more like the mathematical formula to properly get half and thirds percentages 1.3% 1.5% etc. or even half a percent 0.5% in python that's 50% I believe.

You could just test the function and you'll see that it does what you described.. That's the proper formula, divide 1 number by the other and multiply by 100. That's because percentage by definition stands for "ratio as a fraction of 100"