

PYTHON MATH

"R2 says the chances of survival are 725... to 1" -
CP30

MATH OPERATORS

Math operators are the symbols used to do mathematical equations for integers and floats.

```
two = 1 + 1
print(two)

a_number = two - 10
print(a_number)

result_of_division = a_number / two
print(result_of_division)

multiply = result_of_division * 2
print(multiply)

odds_of_survival = 1 / 725 * 100
print(odds_of_survival)
```

Math Operations work basically as you would expect.
However just notice that (*) means multiply and (/) means divide.

```
clone_count = 34230346  
avg_droid_destroyed_per_clone = 3.45  
  
print(clone_count * avg_droid_destroyed_per_clone)
```

Operations can also be inside the print.
The result of the operation is an expression so it works just as if you put a number in its place.

```
hit_per = .0432
fire_rate = 8.4567
droid_count = 2123
clone_count = 750
clones_left = clone_count - hit_per / fire_rate * droid_count
print(clones_left)

#less fun
print(750 - 0.0432 / 8.4567 * 2123)

times_greedo_shot_first = 0
hans_chance_to_get_hit_by_greedo = 100/0
```

Order of operations are used. P - E - MD - AS : Parentheses, exponents, Multiply or divide, Add or Subtract.

Dividing by 0 creates an error.