

CODING FOR TEENS

CLASS-2

PRINTING NUMBERS

```
1 print("Numbers without decimal point are called 'INTEGERS'")
2 print(5)
3 print(7)
4 print("Numbers with decimal point are called 'FLOATS'")
5 print(5.3)
6 print(9.2)
```

Numbers without decimal point are called 'INTEGERS'

5

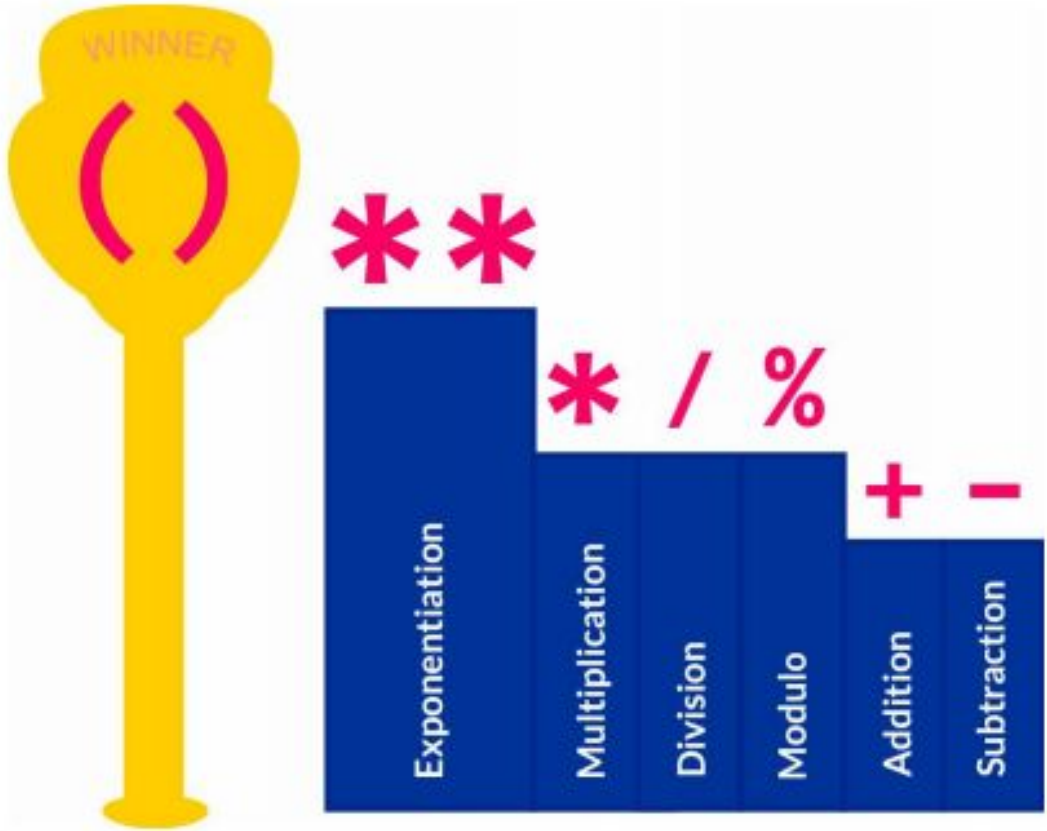
7

Numbers with decimal point are called 'FLOATS'

5.3

9.2

TREND



```
1 print(3+5)
2 print("----")
3 print(1-2)
4 print("----")
5 print(8*2+5)
6 print("----")
7 print(8/2*2+2-4) #BODMAS
8 print("----")
9 print((5+9)-(8-1)) #BODMAS
10 print("----")
11 print(6%2) #remainder
12 print("----")
13 print(5//2) #integer division
14 print("----")
15 print(2**2) #power
16 print("----")
```

PRINTING ARITHMETIC OPERATIONS

```
8
----
6
----
-1
----
21
----
6.0
----
7
----
0
----
2
----
4
----
❖ □
```

-----FURTHER DETAIL-----

MODULO (%): To find remainder.

```
print(7%2)
```

answer :1

A hand-drawn diagram illustrating the division of 7 by 2. The number 2 is on the left, 7 is in the middle, and 3 is on the right. A horizontal line is drawn below the 7, with a 6 written below it. A vertical line is drawn to the right of the 6, and a horizontal line is drawn below it. The number 1 is written below the horizontal line, circled in green, and a red arrow points from the circle to the word "Remainder".

IN CODING:

$7\%2 \rightarrow \text{answer:1}$

----- FURTHER DETAIL -----

POWER (**): To find exponential power.x to the y power

```
print(2**2)
```

Answer = 4



A hand-drawn red equation showing 2 squared equals 4. The number 2 is on the left, followed by a superscript 2, then an equals sign, and finally the number 4 on the right.

$$2^2 = 4$$

-----FURTHER DETAIL-----

INTEGER DIVISION(//):

Divides and
returns answer in
integer

```
print(5//2)
```

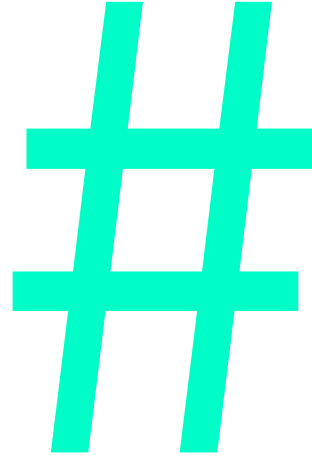
Answer: 2

$$\frac{5}{2} = \begin{array}{r} 2 \overline{) 50} \\ \underline{- 4} \\ 10 \end{array}$$

25
↓
INTEGER

SINGLE LINE COMMENT IN PYTHON

A comment in Python starts with the hash character #



```
#THIS IS A SINGLE LINE COMMENT
```


MULTI-LINE COMMENT IN PYTHON

Multi-line comment starts and ends with three double quotes in Python as demonstrated below:

```
"""This is a better way  
of using comments that span  
over multiple lines without  
having to use lots of hashes.  
"""
```

HOMETASK:

Write some lines about your favourite subject and also write the given expression with code and send answers.

$$\frac{1}{2} + \left(\frac{4}{3}\right) - 2^3$$

MUST WATCH:

- [A 12-year-old app developer | Thomas Suarez](#)
- <https://www.youtube.com/watch?v=YoHLbpjIByE>