Lesson 1 Arithmetic with Python

Worksheet

K-W-L Chart

What I Know	What I Wonder	What I Learned

New Commands**: make a list of all the new Python commands you learn throughout the lesson**

print()

Activity 1:

Write your first Python Code! Using 'print()' statements, write a program that displays your name and asks the user a question.

Activity 2:

Task 1: Translate the mathematical expressions below into Python code. Use Python to calculate the results.

Example	Symbol	Name	Python Representation
5 + 6 = 11	+	Addition	+
11 – 5 = 6	–	Subtraction	-
5 × 2 = 10	×	Multiplication	*
10 ÷ 5 = 2	÷	Division	/
$5^2 = 25$	x^n	Exponentiation	**
11 mod 5 = 1		Modulo	%

Task 2: Calculate the results of the mathematical expressions below:

181 + 125 + 669 = ?

2160 - 439 - 57 = ?

79 × 21 × 3 × 108 = ?

40257 ÷ 1917 = ?

156^4 = ?

40257 modulo 41 = ?

Activity 3:

Suppose your current computing skill level is 100. If you spend 1 hour per day in practising Python, your skill level will increase by 1% per day.

Create Python code to calculate the level of your computing skills if you keep doing this for 7 days.

What will happen then after 180 days (and 365 days)?

Extension:

Research compound interest products at a bank (or any financial institution). Ask students to calculate the interest through Python and see how compound interest works.