

Pre-EOY Exam Computing Revision Worksheet (Grade 7) Unit 1: Computational Thinking & Programming + Unit 3: Networks and communication		Name:	
Date:		Section:	

- Which shape would you use to represent a process in a flowchart? _____
 - How many arrows come out of a Decision/Selection diamond? What is written on each arrow?
-

- Identify the most appropriate data type for each of the items described below:

Description	Example	Most Appropriate Data Type
Number of books that you own	25	
Favourite Colour	Purple	
Exact height of a student	5.2	
The first letter of your name	Y	
Your correct age upto Years and months	13.6	

- What is the difference between an integer and a real number?
-

- Identify the error in this statement and rewrite it correctly:

`PRINT("The sky is blue")` _____

- Which of the following best describes the function of a Domain Name System (DNS)?

- To store the HTML files and images of a website.
- To encrypt data before it is sent over a wireless network.
- To translate a web address (URL) into an IP address.
- To prevent unauthorized users from accessing a private network.

7. The following programs is supposed to take input of two number from the user and then output the result of their addition. It contains **three syntax errors**. Identify the errors and provide the corrected code.

```
num1 = input("Enter first number: ")
num2 = input("Enter second number: ")
PRINT(num1 + num2)
```

8. The teacher wants the following program to output "Hello" followed by the student's name, but it is crashing. Identify the error and rewrite the code.

```
name = ("What is your name? ")
print("Hello" name)
```

9. Create a Python program that asks the user to input two numbers, type casts the numbers to integer while taking input, multiplies the two numbers and outputs the result.

10. Encrypt the following message using a +2 cipher:

Message to encrypt: EID MUBARAK

+2 Cipher Key

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	A	B	C

Encrypted Message: _____

11. In the address: <https://sns.edu.pk/result/> identify the following:

- a. Path: _____
- b. Domain Name _____
- c. Protocol: _____