

1) Fill in the blanks.

my blocks	Network failure	Micro:bit	Keyboard	Text
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1. _____ is a physical computing device.
2. _____ is an input device.
3. Sub-routine blocks can be created from _____ in the palette.
4. _____ is when a fault with hardware or software stops a network working properly.
5. _____ files are made up of letters, numbers, symbols, and blank spaces.

2) State whether the statements are true or false.

1. Encrypted data is known as ciphertext.
2. Application software are programs that carry out a specific task.
3. Indefinite (forever) loops where instructions repeat a number of times before stopping.
4. Many devices are operated using a control system.
5. Scratch is an example of a system software.
6. Light sensors are not found in streetlights.
7. Criminals often steal personal information for financial gain.
8. The Caesar cipher is also known as a substitution cipher.

3) Match the following.

1. Android	a) Input device
2. keyboard	b) System software
3. Caesar cipher	c) Exchange letters for symbols
4. High quality video	d) Replaces each letter with a new letter
5. Pigpen cipher	e) Physical computing device
6. Micro:bit	f) More storage

1.	2.	3.	4.	5.	6.

4) Answer the following.

1. Ms. Sama is an engineer, designing a new washing machine with advanced features. She needs to explain the input, process, and output stages of the system to her team. Can you help her identify these stages?

Input: _____

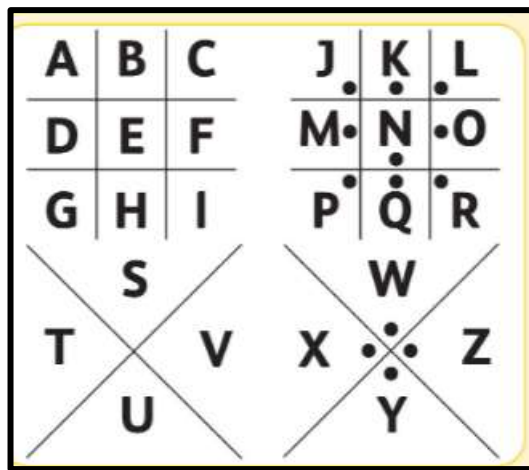
Process: _____

Output: _____





2. Write one difference between application software and system software.

3. What is a data logger?

4. Encrypt and decrypt the words with the pigpen encryption technique.



a. COMPUTER: _____

b.     _____

5. Encrypt the words using the Caesar cipher technique. (KEY – 4)

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

G	O	O	D		L	U	C	K