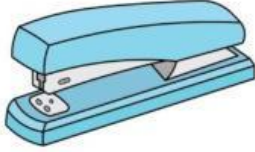


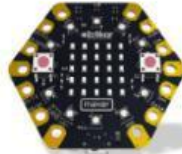


### Practice Worksheet Grade-4 Term2 2024-25

Look at the images which machine show Embedded system

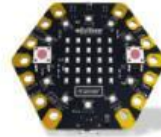
|                                                                                         |                                                                                         |                                                                                           |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| a.<br> | b.<br> | c.<br> |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|

What is the name of this microcontroller?



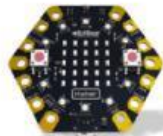
|          |             |              |
|----------|-------------|--------------|
| a. Maker | b. Arduinio | c. Micro-Bit |
|----------|-------------|--------------|

This microcontroller, Maker has \_\_\_\_\_ push buttons.



|      |      |      |
|------|------|------|
| a. 2 | b. 4 | c. 6 |
|------|------|------|

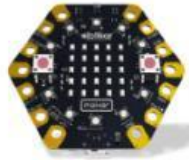
Which software are we using to program the Maker microcontroller?



|                                                                                                       |                                                                                                   |                                                                                                  |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| a. Ardublockly<br> | b. Scratch<br> | c. Java<br> |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|



Maker has \_\_\_\_\_ Neopixel



a. 20

b. 10

c. 30

This microcontroller, Maker has \_\_\_\_\_ LED.



a. 25

b. 20

c. 30

For adding “Time” we use which block

a.

Clear NeoPixels

b.

Read Button Left (A)

c.

wait 1000 milliseconds

Name the following item.



a. Battery pack

b. Crocodile Clips

c. USB Cable



Name the following item.



a. Battery pack

b. Crocodile Clips

c. USB Cable

Name the following item.



a. Battery pack

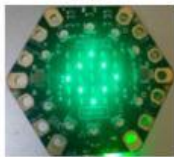
b. Crocodile Clips

c. USB Cable

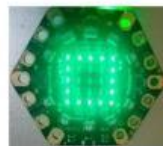
What will be the output of the following code?



a.



b.



c.



The Embedded systems are large computer systems used in the devices. State True or False.

a. True

b. False

The Microcontroller helps users control a system, machine, or device. State True or False.

a. True

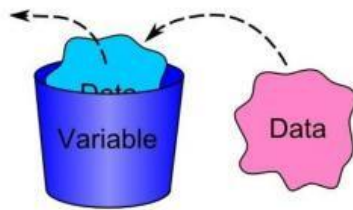
b. False

The Microcontroller can be reprogrammed. State True or False

a. True

b. False

What is a variable in programming?



a. A type of data structure that stores functions.

b. A container used to store data that can change during program execution.

c. A command used to end a program.