Data and Analysis

Memory refers to the part of a computer system that stores data for use by the CPU

When data is stored and processed by computing device it is called information

This can be image , text, audio , software , apps , and video.

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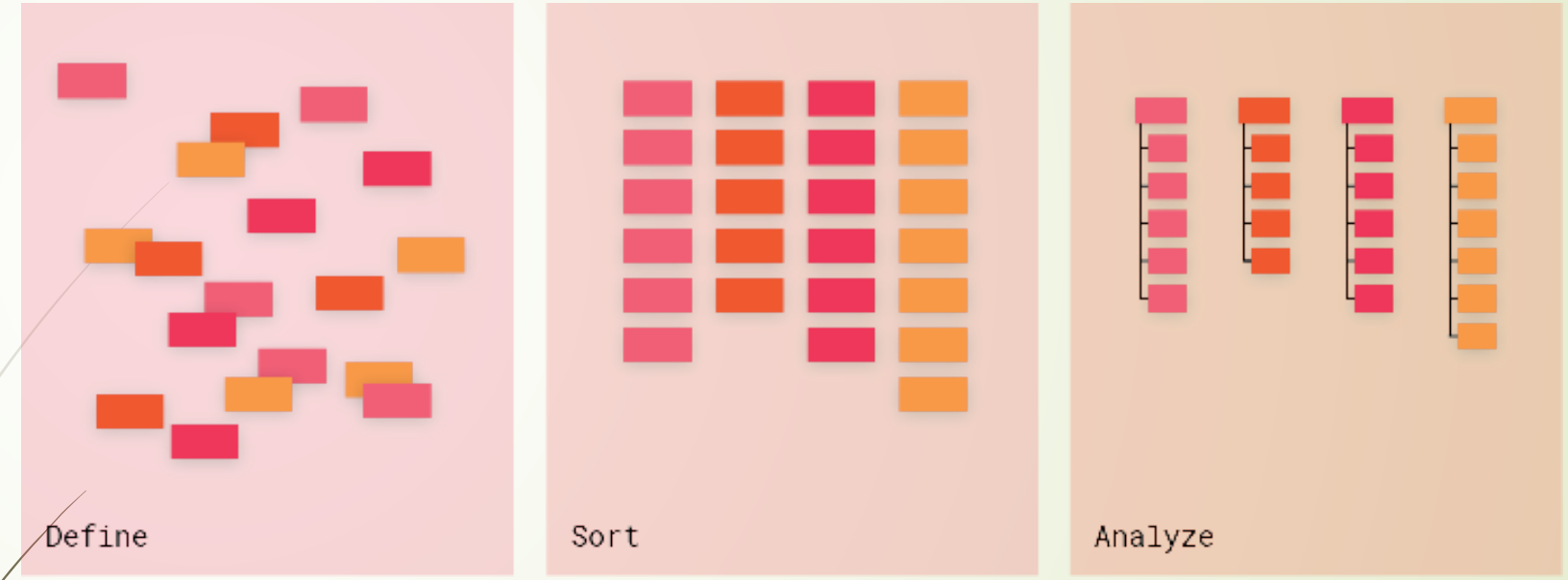
Name five ways data can be stored. *Answers may vary.*

1	*images*
2	*text documents*
3	*audio files*
4	*software programs*
5	*video files*



The data can be present in different ways , for example
sport team by wins, score ,
weather by high and low temperature , wind , humidity and dust

Activity 7.2

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Data and Analysis

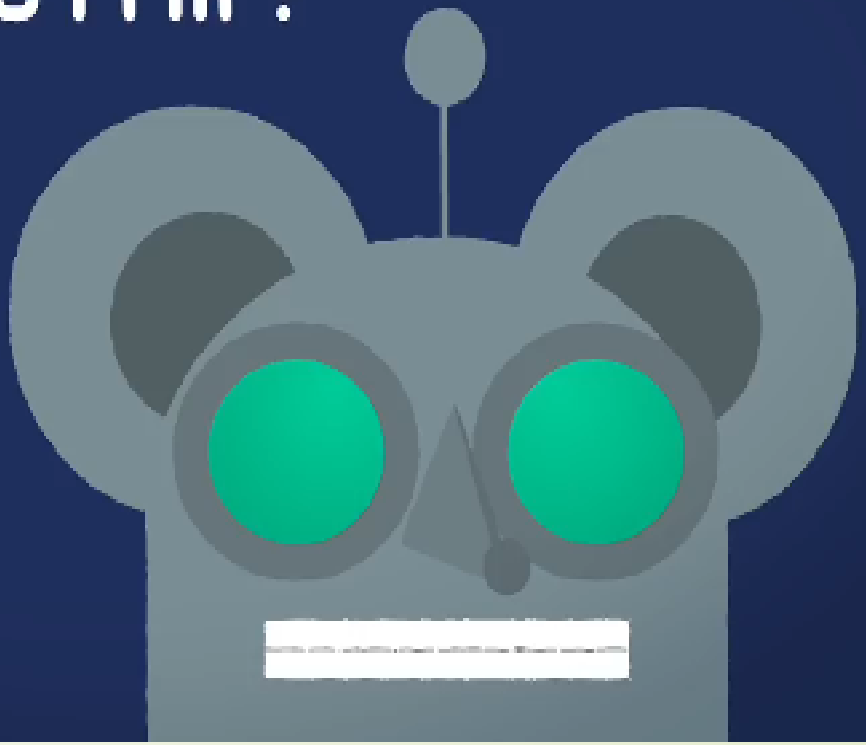
Often the same data can be presented in different ways to show a particular piece of information.

You have been doing a project on vehicle use in Dubai and have collected a great amount of information that includes brands, types, economy and much more. Think about all the possible ways you could sort your information.

Choose and explain 5 different ways for sorting your information.

1	*Answers will vary, e.g. colour, size, brand, tables, images ...etc*
2	
3	
4	
5	

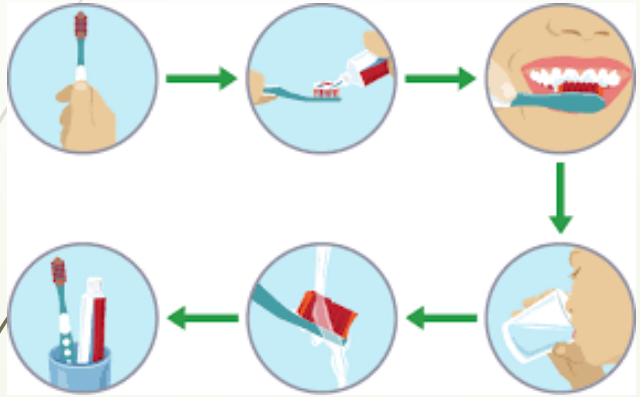
What is an Algorithm?

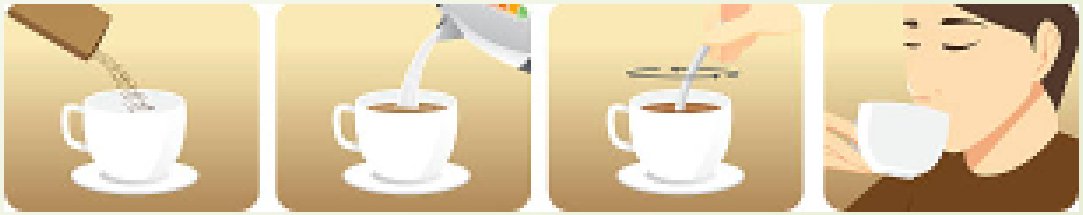


Algorithms and Programming

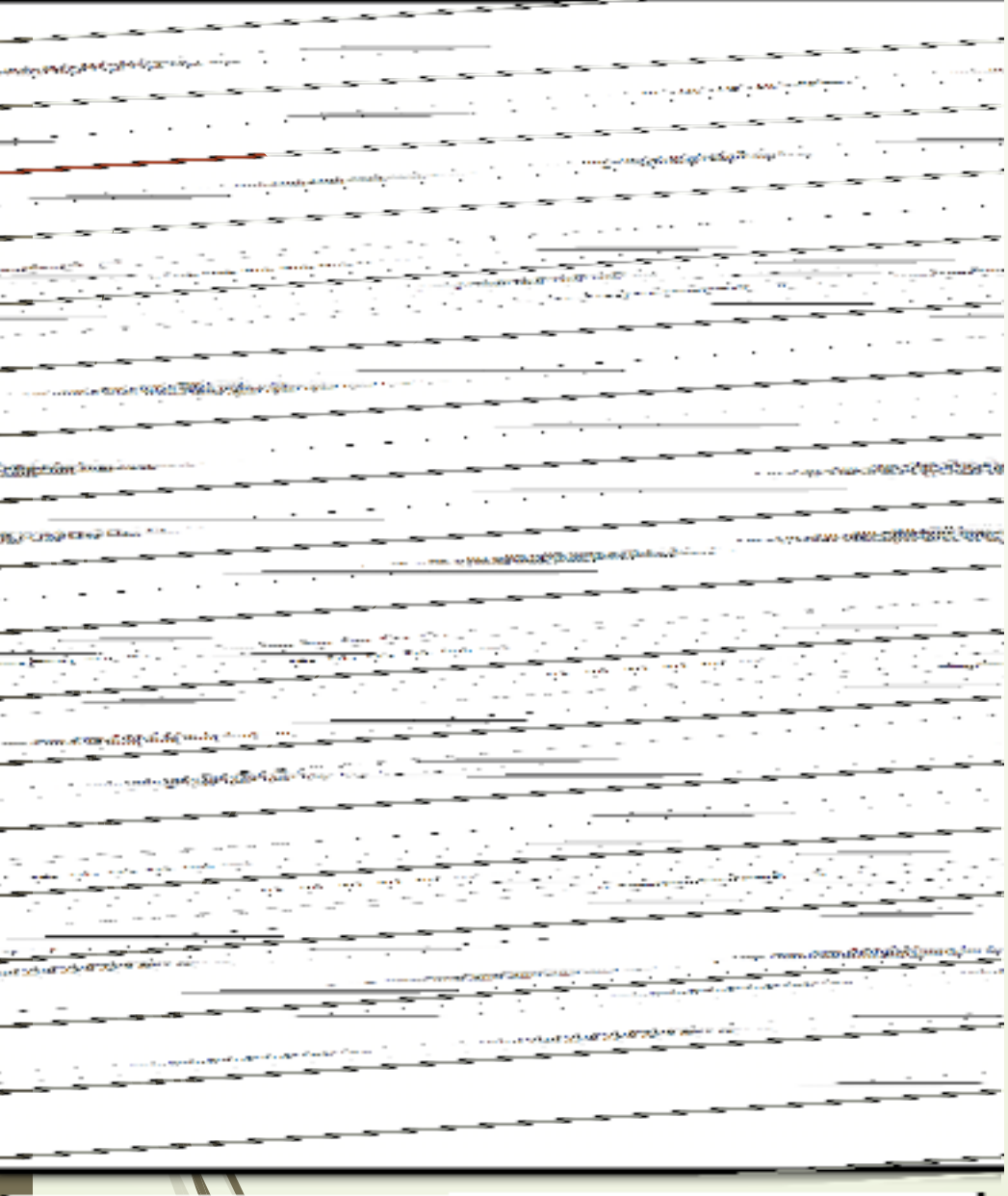
A computer programming is a sequence of instructions written to perform specified task with computer.
A program follow a specific order or instruction

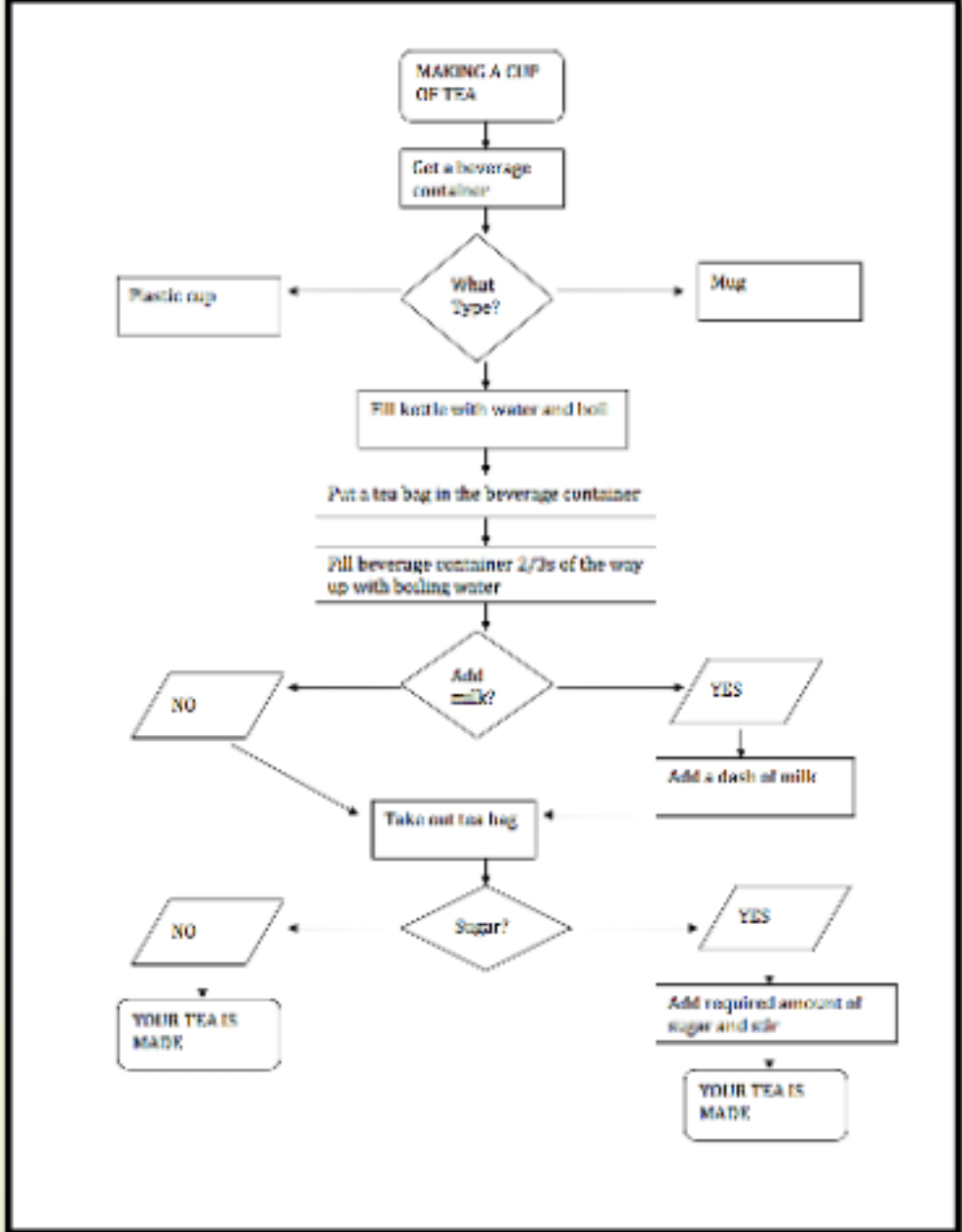
Algorithm are step by step instructions and used to break a complex task into smaller steps





You can create a flowchart to represent the steps in process.




MAKING A CUP OF TEA
Get a beverage container
What Type?
Plastic cup
Mug
Fill kettle with water and boil
Put a tea bag in the beverage container
Fill beverage container 2/3s of the way up with boiling water
Add milk?
NO
YES
Add a dash of milk
Take out tea bag
Sugar?
NO
YES
YOUR TEA IS MADE
Add required amount of sugar and stir
YOUR TEA IS MADE

Activity 8

True or False

	Statement	True/False
1	Python is a programming language that runs on a single platform and you need to buy a licence to use it.	
2	IDLE is a tool that can be used to run the Python codes you write on your computer.	
3	When a Python file is created, any file extension can be used.	
4	A Python program can be as short as a one line of code.	
5	There are many Python IDEs available and programmers use what they like.	