



PG ONLINE

Elements of a Computer System

Understanding Computers



**Find a definition of a
Computer and write
it down**



Learning Objectives

- Distinguish between hardware and software
- Identify Input, Output and Storage devices
- Name at least five pieces of software
- Suggest appropriate input and output devices for a given scenario



What is Hardware or Software?

What is Hardware?	What is Software?
<p>Objects that you can touch, like a Music CD. For example:</p> <p>Disks, disk drives, display screens, keyboards, printers, boards, and chips.</p>	<p>You cannot 'touch' software. Software refers to the programs that run on a computer, rather like the music playing on a CD.</p> <p>Examples of software:</p> <p>Windows, MS Word, MS Excel, Kodu and Logo.</p>



What are Input, Output & Storage Devices?

What is an output device?	What is an input device?	What is a Storage device?
<p>An output device is a piece of computer hardware used display or output data which has been processed or stored in a computer.</p> <p>Printer, Speaker.</p>	<p>An input device is anything can be used to enter data into a computer.</p> <p>Keyboard, Mouse.</p>	<p>A storage device is used to permanently record or store data.</p> <p>CD, Hard Drive.</p>



Activity 1

- Open and complete **Worksheet 1**



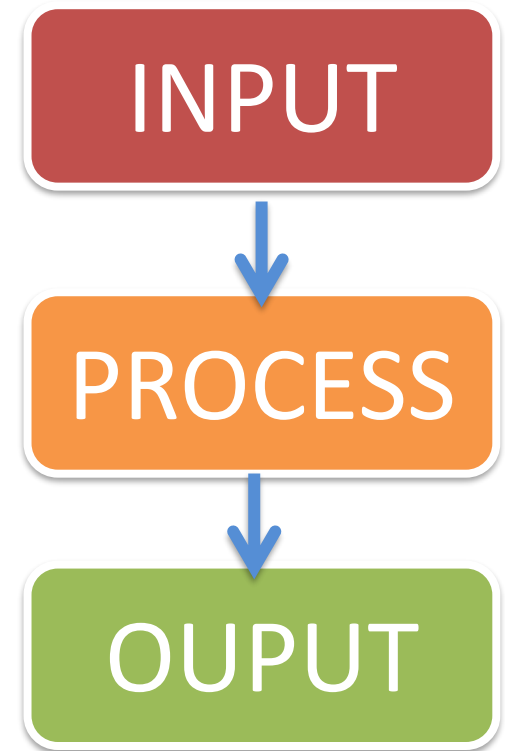
What do each of these images represent? Input, Output or Storage devices?





Input, **Process**, and Output

- Take in the number 5 and 4
- Now Multiply them together
- Tell me the answer





Input, **Process**, and Output

- Sensors take in Data. Can you think of some sensors?
 - Heat Sensor, Light sensor, Movement Sensor, Noise Sensor

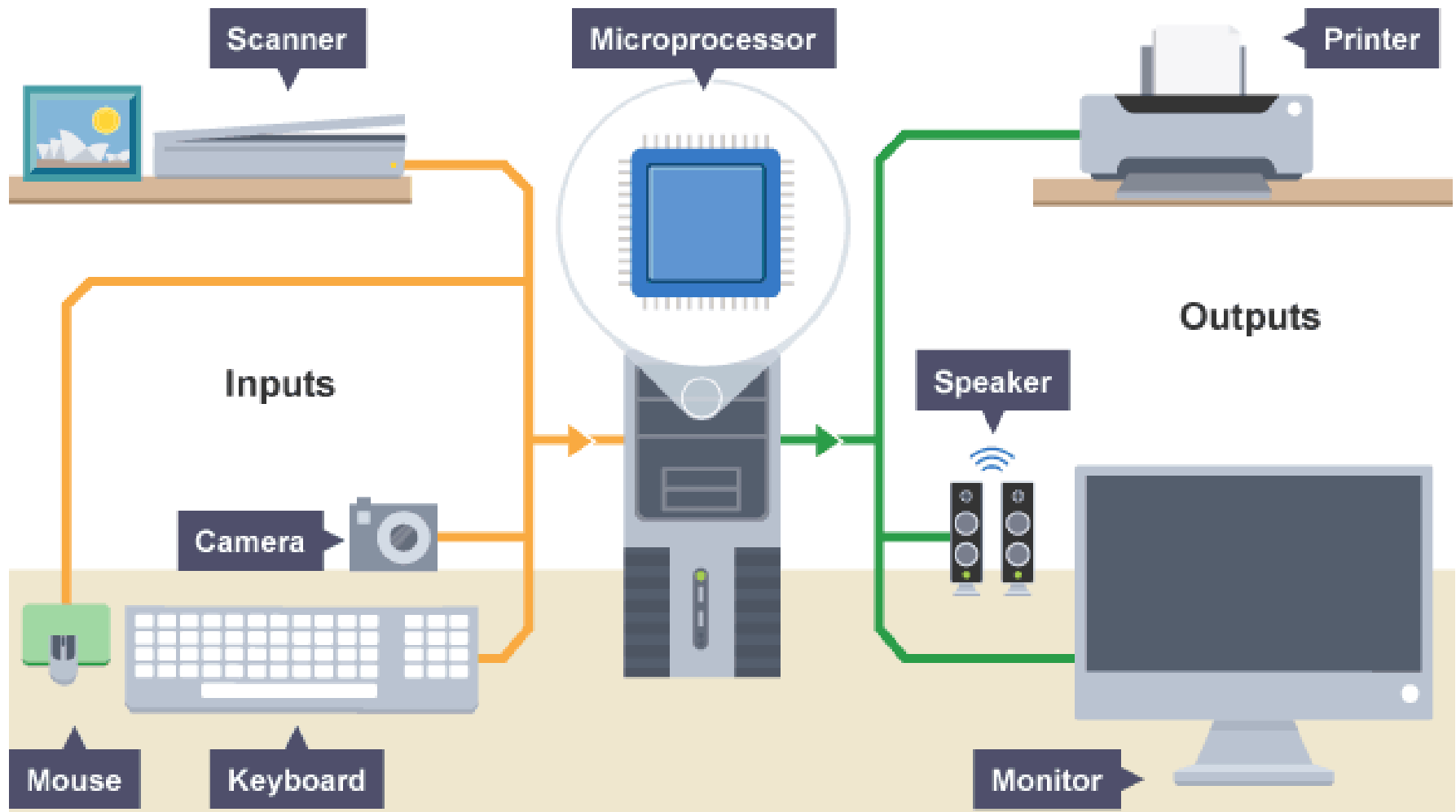


Using the terms **Input, Process, and Output** describe how the following work

- Automatic door
- Street Lights
- Smart Phone (any example)
- Paying for food in the canteen



Input **Process** Output





Computer Systems

- Save worksheet 2 in your folder and complete all the questions.
- Print once you have finished
- Determine the input, process and output in each case



Plenary

- Write down the input, process and output of your own example of a computer in either school, home or outside