ANNEX A · PRACTICAL 1.3 · READ A SPEC SHEET

NAME _____ DATE _____

You hand in this sheet at the end of the class. Marked out of 10: task 1: 1 · task 2: 4 · task 3: 2 · task 4: 3.

TASK 0 Yesterday in three questions (no notes)

1 A headset with a microphone is: input / output / input-output / storage? _____

2 What does "USB-C" tell you about the speed of a port? _____

3 A printer appears in `lsusb` but does not print. Which layer do you check first? _____

TASK 1 The listing of the PC in front of you

```
LC_ALL=C lscpu | grep -E "Model name|Core|
Thread"
free -h
lsblk -d -o NAME,SIZE,ROTA,TRAN
```

CPU: _____

Cores / threads: _____ / _____ RAM: _____

Disk: _____ SSD or HDD? _____

☐ **Done when:** you could write a shop title for this PC.

The titles are copied from Spanish online shops (early October 2026). The other lines come from the maker's spec sheet.

LAPTOP A — 579 €

Shop title: Portátil Lenovo IdeaPad Slim 3 15ABR8, 15.6" Full-HD, AMD Ryzen 5 5625U, 8GB RAM, 512GB SSD, Radeon Graphics, Sin sistema operativo, Sin cargador

CPU AMD Ryzen 5 5625U · 6 cores / 12 threads · 2.3 GHz, up to 4.3 GHz · 16 MB L3 **RAM** 8 GB DDR4-3200 · soldered, no slots · single channel **Storage** 512 GB SSD, M.2 NVMe (PCIe 3.0) **Graphics** integrated **Screen** 15.6", 1920 × 1080 **Ports** 2 × USB-A 3.2 Gen 1 · 1 × USB-C 3.2 Gen 1 (data, charging, video) · HDMI 1.4 · audio jack · SD card reader **Network** Wi-Fi, no Ethernet **Battery** 47 Wh **Weight** 1.62 kg

LAPTOP B — 639 €

Shop title: Portátil Lenovo IdeaPad Slim 3 15AMN8, 15.6" Full-HD, AMD Ryzen 5 7520U, 16GB RAM, 512GB SSD, Radeon 610M, Sin sistema operativo, Sin cargador

CPU AMD Ryzen 5 7520U · 4 cores / 8 threads · 2.8 GHz, up to 4.3 GHz · 4 MB L3 **RAM** 16 GB LPDDR5 · soldered, no slots · dual channel **Storage** 512 GB SSD, M.2 NVMe (PCIe 3.0) **Graphics** integrated **Screen** 15.6", 1920 × 1080 **Ports** 2 × USB-A 3.2 Gen 1 · 1 × USB-C 3.2 Gen 1 (data, charging, video) · HDMI 1.4 · audio jack · SD card reader **Network** Wi-Fi, no Ethernet **Battery** 47 Wh **Weight** 1.62 kg

LAPTOP C — 999 €

Shop title: Portátil Lenovo LOQ 15IRX10 15.6" Intel Core i7-13645HX 16GB 512GB SSD RTX 5060 FreeDOS

CPU Intel Core i7-13645HX · 14 cores (6 P + 8 E) / 20 threads · up to 4.9 GHz · 24 MB cache **RAM** 16 GB DDR5-5600 · 1 × 16 GB module · 2 slots, up to 32 GB **Storage** 512 GB SSD, M.2 NVMe (PCIe 4.0) · second M.2 slot free **Graphics** dedicated NVIDIA GeForce RTX 5060, 8 GB **Screen** 15.6", 1920 × 1080, 144 Hz **Ports** 3 × USB-A 3.2 Gen 1 · 1 × USB-C 3.2 Gen 2 (data, charging, video) · HDMI 2.1 · Ethernet RJ-45 · audio jack **Network** Wi-Fi 6, Gigabit Ethernet **Battery** 60 Wh **Weight** 2.4 kg **System** FreeDOS (no Windows)

TASK 2 **Decode them**

	A	B	C
Cores / threads			
RAM (GB and type)			
Can the RAM grow later? Why?			
One channel or two, today?			
Dedicated graphics? (yes / no)			
Fastest USB port, in MB/s			
Weight · battery			
What is not in the box?			

☐ **Done when:** the table has no empty cell.

TASK 3 **Four traps**

- (a) Which has more cores, the Ryzen 5 **5625U** or the Ryzen 5 **7520U**? _____ Does a bigger model number mean a better CPU? _____
- (b) "512 GB SSD". 1 GiB = 1,073,741,824 bytes. Your system will show about _____ GiB. Working: _____
- (c) A and B say Sin cargador (no charger). What exactly do you have to buy? _____
- (d) None of the three comes with Windows. What will the buyer have to do before using it? _____

☐ **Done when:** each answer has a number or a reason, not only yes or no.

TASK 4 **Three people, three budgets**

Choose **one laptop per person**. Give two reasons that use numbers from the listings, and one warning for the buyer.

Person	Laptop	Two reasons (with numbers)	One warning
Laia, 17, starts DAM. Runs two virtual machines at once (4 GB of RAM each) plus a browser. Carries it every day. Budget: **700 €**			
Toni, 68. Web, video calls, photos of his grandchildren. Wants to spend as little as possible. Budget: **600 €**			
Marc, 19. Plays recent games and edits video. The laptop stays on his desk most of the time. Budget: **1,050 €**			

☐ **Done when:** every choice is inside the budget and you can defend it in one minute.

EXIT TICKET **Alone. One answer each.**

1. A laptop has "8 GB soldered, no slots". What does that mean for its owner?

○ a) The RAM is faster than normal
○ b) It can never have more than 8 GB
○ c) It has no RAM until you buy it
○ d) It uses dual channel

2. A "1 TB" SSD. About how much will the operating system show?

○ a) 1,024 GiB
○ b) 1,000 GiB
○ c) 512 GiB
○ d) 931 GiB

3. Two CPUs are both called "Ryzen 5". How do you compare them?

○ a) Cores, threads and cache on the spec sheet
○ b) The bigger model number wins
○ c) The more expensive one wins
○ d) They are the same

4. A USB-C port is "USB 3.2 Gen 2, 10 Gbit/s". What is its top speed?

○ a) 10,000 MB/s
○ b) 80 MB/s
○ c) 1,250 MB/s
○ d) 625 MB/s