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ACTIVITY 1: MSI MAG B560M BAZOOKA Fill in the table with Motherboard technical specifications.

Form factor and dimensions	Form Factor: ATX, Dimensions: 9.6 x 9.6 x 2.5 inches
What is the microprocessor socket and what number of pins does it have?	LGA1200, tiene 1200 pins
Search in an online store one processor compatible with this motherboard (link)	Intel® Core™ de 10.a generación, Intel® Core™ de 11.a generación, Pentium® Gold y Celeron® https://www.pccomponentes.com/msi-mag-b560m-bazooka
What is the chipset of this motherboard?	Intel® B560
What kind of RAM memory is compatible with this motherboard?	DDR4
Number of memory slots the motherboard has.	4
Does the motherboard support Dual or Quad Channel? Which one?	It supports Dual Channel
Can we overclock the RAM on this motherboard?	Yes
Maximum RAM memory	128GB
Search in an online store the fastest RAM memory for this motherboard (link)	G.Skill Trident Z Royal 128 GB (4 x 32 GB) DDR4-3600 CL16 Memory https://pcpartpicker.com/product/dmXYcf/gskill-trident-z-royal-128-gb-4-x-32-gb-ddr4-3600-cl16-memory-f4-3600c16q-128gtrs
If you want to install only two memory DIMM, where will you install them?	En las slots para la RAM
How many SATA internal devices can you connect?	2
How many USB ports does it have? Where are they located? What version are they?	USB ports 2x USB 3.2 Gen 2 10Gbps (Type-A) 4x USB 3.2 Gen 1 5Gbps (Type-A) 6x USB 2.0
How many PCI express slots does it have? Indicate the number of lanes	2
Does this motherboard have a mouse port? And a VGA port?	No tiene ninguno



ACTIVITY 2:

Develop the following comparative table and indicate which processor you would choose by reasoning it:

Features	Intel Core I7-7700K			AMD Ryzen 5 5600G		
Clock frequency	4.2GHz			3.9GHz		
Cores and threads	4 núcleos 8 hilos			6 núcleos 12 hilos		
Address bus width	64 bit			64 bit		
Cache	L1	L2	L3	L1	L2	L3
	4 x 32KB	4 x 256KB	8MB	384KB	3MB	16MB
Packaging technology for CPU chips	Sunrise point, union point			X570		
Socket	FCLGA1151			AM4		
Max. Temperature	100°C			95°C		
TDP	91W			65W		
Price	391,97€			279.90€		

Which one do you choose and why?

Yo elegiría la AMD, por el precio y rendimiento, a pesar de que tiene menor frecuencia de reloj, contiene mayor número de núcleos e hilos, por esa razón compensa, además de que utiliza menor energía y no alcanza menores temperaturas que Intel.

ACTIVITY 3:

Develop the following comparative table:

Features	Kingston FURY Beast DDR4 3200 MHz 16GB 2x8GB CL16	Corsair Vengeance RGB Pro SL DDR4 3600 PC4-28800 32 GB 2x16GB CL18
Capacity (GB)	16GB	32GB
Type of memory	DDR4	DDR4
Clock speed (MHz)	3200MHz	3600MHz
Effective Speed (MHz)	2666MHz	4600MHz
CAS Latency	16	18
Memory module (SIMM, DIMM, SO-DIMM, ...)	UDIMM	DIMM
Price	76.25€	169.19€

Which memory would you choose for the motherboard selected on Activity 1 if I want a total capacity of 32 GB? Indicate which memory you would choose by reasoning it:

Yo elegiría la memoria Kingston, pues compraría dos que me saldría por 152.5€ i haría uso del Dual Channel, de esta manera, me saldría mas barato e iría más rápido que una sola memoria de Corsair Vengeance.



ACTIVITY 4: What features I am providing if I say: I bought a MEMORY KIT 12 GB (3X4 GB) DDR3 1600 CL9 CORSAIR?

Capacidad: 12GB
Tipo de memoria: DDR3
Frecuencia: 1600MHz
CAS Latencia(CL): 9

And what if I ask you about the features of: KINGSTON 2 GB, 800MHz, DDR2, DIMM, 2048 MB.

Capacidad: 2GB
Tipo de memoria: DDR2 DIMM
Frecuencia: 800MHz