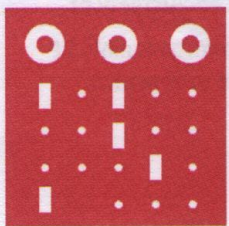
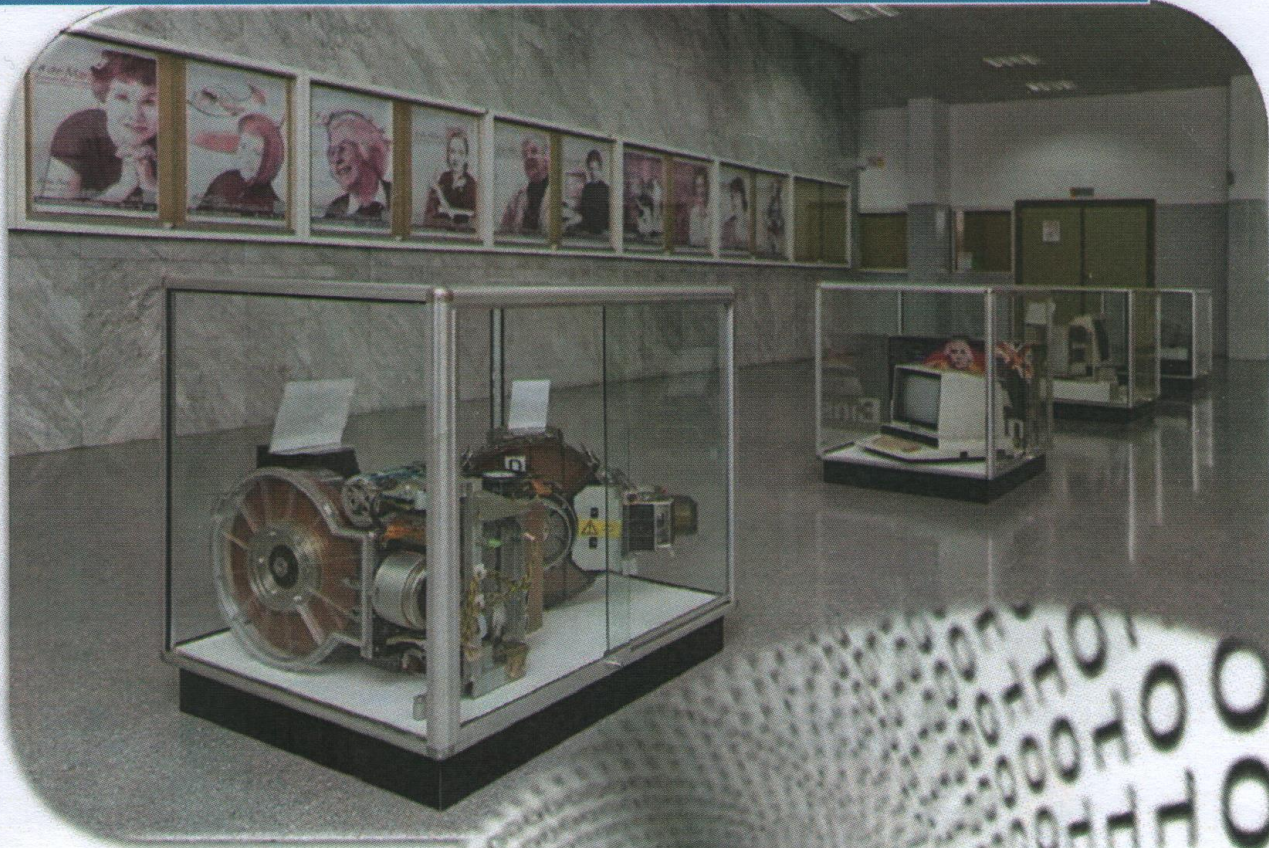


Learn with us



# museo informática

*A museum inside of...  
ja punched card!*



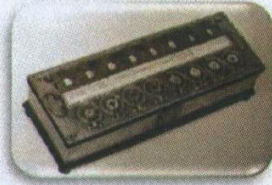
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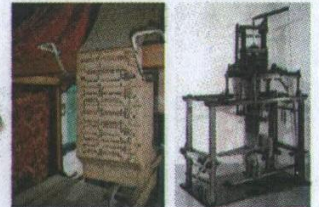
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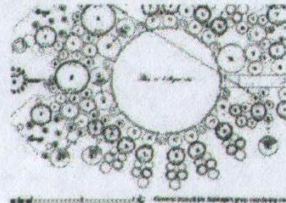
1. In 1642 Blaise Pascal designed and built a machine that could make addition and subtraction of decimal numbers by means of a set of gears. What is the name did he name his machine?



2. The French Joseph Marie Jacquard invented the perforated cards in 1801. What did he use them for?



3. Charles Babbage is considered the grandfather of computers for his Analytical Machine (1833). With what energy did he want to make it work? How would you enter information into the machine?

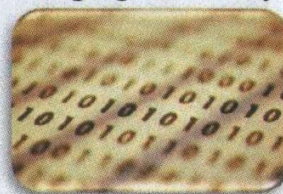


4. The English mathematician Ada Byron (1815-1852), daughter of the romantic poet Lord Byron, is considered the first programmer in history. Could you say why?



```
with I.O.PACKAGE;
procedure FACTORIAL is
use I.O.PACKAGE;
-- This program reads a number and
-- computes its factorial.
NUM, FACT, COUNT: INTEGER;
begin
GET(NUM);
FACT := 1;
for COUNT in 2..NUM loop
FACT := FACT * COUNT;
end loop;
PUT("The factorial of ");
PUT(NUM);
PUT(" is ");
PUT(FACT);
end;
```

5. What is the name of the language that understands a computer and is composed exclusively of zeros and ones? And this same language written by mnemonic symbols?

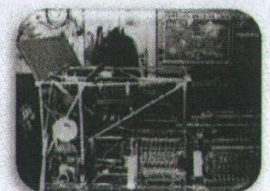


```
SUB32 PRG
      CMP AX,97
      JL  DONE
      CMP AX,122
      JG  DONE
      SUB AX,32
DONE:  RET
SUB32 ENDP
```

6. In 1938 the young German Konrad Zuse built the Z1 machine in the dining room of his house in Berlin. For this he used a very common device in telecommunications. Do you know his name?



7. ENIAC was the first fully electronic calculator in history, funded by the United States Army and finished at the end of 1945. What purpose was it designed and built for?





8. Electronic waste contains pollutants such as mercury, lead and cadmium. Improper treatment of this electronic waste can cause serious environmental impacts and endanger human health.
- What should be done with obsolete computers?



9. What is the microprocessor on which the majority of Sinclair, Amstrad and MSX microcomputers designed in the early 1980s are based?



10. The Finnish computer engineer Linus Torvalds is famous for having started developing the Linux operating system. Can you imagine what computer you learned to program



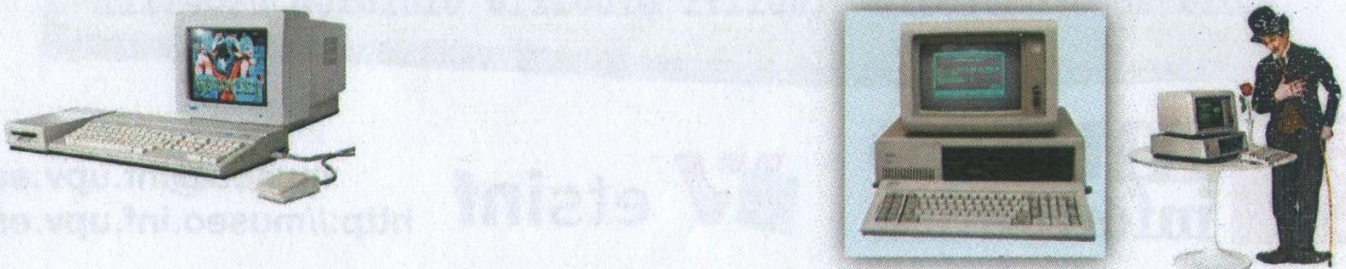
11. Do you know who is this well known Pop Art artist who used the Commodore Amiga 1000 computer to make some of his most famous works?



12. What computer was employed by singers like Madonna, Eurythmics or Jean Michel Jarre in their concerts of the eighties for their excellent sound quality?



13. The IBM PC computer appeared in the market in 1981. What well-known movie character did IBM use for its commercial promotion? What it was so special about this computer?

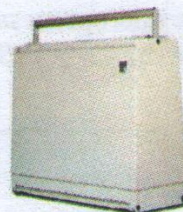




14. In 1984 Steve Jobs was the first to successfully market a mouse-driven computer. Do you know the name of this computer? The promotional video was made by film director Ridley Scott. Could you tell what these two frames of the video that we show you represent?









15. How many kilograms did the IBM Portable PC weigh?



16. Now a little mathematical calculation: you have to calculate how many devices of each class are needed to store the same amount of information that fits on a 4 gigabyte (4 GB) capacity pendrive..

Note: 1 GB = 1024 MB = 1024×1024 KB  
= 1024×1024×1024 B = 1 073 741 824 B

Dispositivo de almacenamiento	Capacidad	Unidades necesarias para obtener 4 GB
	80 B	
	200 KB	
	360 KB	
	1440 KB	
	100 MB	
	640 MB	
	1 GB	

17. Finally we ask you for a last effort: could you decipher the following binary message? Help yourself with the attached table that shows how each of the letters of the alphabet translates into a word of 8. Cheer, you can do it!!

A	01000001	G	01000111	M	01001101	S	01010011	Y	01011001
B	01000010	H	01001000	N	01001110	T	01010100	Z	01011010
C	01000011	I	01001001	O	01001111	U	01010101		
D	01000100	J	01001010	P	01010000	V	01010110		
E	01000101	K	01001011	Q	01010001	W	01010111		
F	01000110	L	01001100	R	01010010	X	01011000		

01001000 01000001 01010011 01010100 01000001  
01010000 01010010 01001111 01001110 01010100 01001111