Crash Course Computer Science #1: Early Computing

|  |  |  |  |
| --- | --- | --- | --- |
| Name: |  | Date: |  |

# Instructions

Watch *Crash Course Computer Science #1: Early Computing* on YouTube first. Then answer the following questions. Try to answer the question without looking at the video, but re-watch the video or parts of it if you cannot remember the answer.

1. Name 4 modern things that are run by computers (a computer is *not* a valid answer!):
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Fill in the blanks: “Computers are really just simple \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that perform \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ actions through many layers of abstraction.”
7. *Circle One:* The very first, earliest computational device known to man, around 2000 B.C.E., was the:
8. iPhone
9. abacus
10. waterwheel
11. difference engine
12. On an abacus, how many beads would be in each row if I wanted to represent the number 4,096?

Top Row: \_\_\_\_\_\_\_\_\_

Next Row Down: \_\_\_\_\_\_\_\_\_

Next Row Down: \_\_\_\_\_\_\_\_\_

Bottom Row: \_\_\_\_\_\_\_\_\_

1. *Circle One:* Who is known as the first real computer pioneer, often called the “Father of Computing”?
   1. Ada Lovelace
   2. Neal Degrasse Tyson
   3. Charles Babbage
   4. Godfried Liebnitz
2. *Circle One:* The earliest computers were:
   1. Electrical
   2. Wooden
   3. Mechanical
   4. Fast
3. Charles Babbage thought of/designed the following machines (*circle all that apply*):
   1. Analytical engine
   2. Philosophical engine
   3. Difference engine
   4. Critical engine
4. *Circle One:* The first “computer programmer” has a computer language named after them in honor. What is the name of the computer language?
   1. Java
   2. Lisp
   3. Ada
   4. Fortran
5. *Circle One:* The first computer business machine company, The Tabulating Machine Company, eventually turned into what famous, current modern business?
   1. Walmart
   2. Staples
   3. IBM
   4. Piggly Wiggly
6. *Circle One:* The name of the woman who hosts Crash Course Computer Science is:
   1. Ellen Hunt
   2. Carrie Anne
   3. Hocus Pocus
   4. Jenny Worth