

Processor Review

1. What memory is located closest to the microprocessor?
2. Some PC technicians will do this to the microprocessor to speed it up?
3. What cache memory is used by all processors in multiple core designs.
4. Each core in a multiple core processors has two Arithmetic Logic Units (ALU). Therefore a quad core microprocessor has ____ ALUs.
5. The current microprocessors such as the Intel Second Generation Core I7 have how many transistors in the device?
6. The Phenom and Athlon family of microprocessors are manufactured by what company?
7. These items are typically required to cool a microprocessor.
8. What acts as an insulator in a computer and holds in the heat and can also lead to shorting between two electrical contacts?
9. What fills the microscopic spaces between the top of the microprocessor and the bottom of the heatsink for better heat transfer?
10. What can result in inefficient cooling and allow small rodents to climb inside the computer and short out the electronics and destroying the computer?
11. What is used to lubricate between the fan shaft and the housing bushing resulting in quiet operation?
12. Place the sequence for loading a processor in the LGA2011 socket in order from beginning to end.
13. What is the pinout for 4 pin fan power connectors on a motherboard? When using a four receptacle fan plug on a three pin connector, the fan will always be on.
14. What are ratings we can see for a microprocessor?
15. In current designs, what Bridge is integrated into the microprocessor?
16. What is the common measurement of speed for a microprocessor?
17. What is the purpose of cache memory?

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18. What is the Intel Hyper-Threading? What is AMD HyperTransport?
19. What are common parts of a liquid cooling system?
20. What applications do we see where a motherboard can contain more than one microprocessor.
21. Place the order of components from the motherboard to the air.
22. Where can we read the current temperature for a microprocessor when the computer is on?