What is sampling ?	What is the hexadecimal representation of the decimal number 240 ?	What is the purpose of a flowchart?
What are Network Policies?	What is computational thinking?	What is the index of the last item in an array with 10 elements?

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What is the binary representation of the hexadecimal number 1F?	What is binary search?	What is a function?
What are the advantages of Local Area Networks?	What is the 8-bit binary representation of the decimal number 162 ?	What is the CPU's primary job?

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What is sampling?

Answer: Sampling is the process of recording snippets of sound at set intervals.

Sample rate is measured in Hertz (MHz, GHz)

First convert to binary and then to hex.

128 64 32 16 8 4 2 1
1   1   1   1   0 0 0 0

What is the hexadecimal representation of the decimal number 240?

The hexadecimal representation of the decimal number 240 is F0.

What is the purpose of a flowchart?

A purpose is used to plan an algorithm and to show the flow of data through a program

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What are Network Policies?

- Network Policies are a set of rules and procedures that network users must follow.

What is computational thinking?

Computational thinking is an approach to problem-solving that involves using various techniques to fully understand complex problems and create effective solutions.

What is the index of the last item in an array with 10 elements?

The index of the last item in an array with 10 elements is 9.

Or -1

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A=10, B=11, C=12,D=13, E=14, F=15

What is the binary representation of the hexadecimal number 1F

1 = 0001   F = 15 = 1111

The binary representation of the hexadecimal number 1F is 00011111.

What is binary search?

A search algorithm that only works on an ordered set of data. It works by finding the middle value and comparing the target to it. If the target isn't the middle value, half of the list is discarded and the process repeats until the target is found or the end of the list is reached.

What is a function

A type of subroutine that returns data to the main program.

What are the advantages of Local Area Networks?

Digital communication, sharing of digital information, peripheral devices sharing, ease of software updates.

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128 64 32 16 8 4 2 1

What is the 8-bit binary representation of the decimal number 162

The 8-bit binary representation of the decimal number 162 is 10100010.

128 + 32 + 2 = 162

ALWAYS check your answer!

What is the CPU's primary job?

To process data and instructions

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