




Name _____ Period _____

Skill 7.01 Exercise 1

A computer uses the following binary encoding to store the following symbols,

Binary	Symbol
01	
10	
11	

What is       in binary

What sequence would the following binary encoding display?

01101011

Skill 7.01 Exercise 1

The ASCII characters for the first 8 capital letters in our alphabet are shown below,

Binary	Character
1000001	A
1000010	B
1000011	C
1000100	D
1000101	E
1000110	F
1000111	G
1001000	H

What is "CAFE" in binary

What is the code for the letter Z?

Decode the following sequence, 01000011 01001111 01000100 01000101

AP Computer Science Principles

Ticket Out The Door

Set 7: Storing Text in Binary

Name _____ Period _____

Skill 7.03 Exercise 1

Describe two limitations of the ASCII system

Skill 7.05 Exercise 1

How many characters are stored in the 7 bytes shown?

11110000 10011111 10011000 10000000 01110110 11000011 10110111

Use this tool to see what the characters are,

<https://onlinetools.com/utf8/convert-binary-to-utf8>

Copy and paste them below

Now go here,

<https://onlinetools.com/utf8/convert-utf8-to-binary>

Type some emojis, text, numbers, symbols, whatever you want. Copy and paste your input below

What is your input in binary? Paste this below. How many bytes were needed to encode your input?