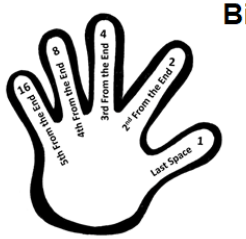
Binary Code Alphabet Equations and Riddles

Created by Deirdre Smith of JDaniel4'sMom

Name:

Binary Code Alphabet Letter Equations



A=1	B=2	C=3	D=4	E=5	F=6	G=7	H=8	I=9
J=10	K=11	L=12	M=13	N=14	O=15	P=16	Q=17	R=18
S=19	T=20	U=21	V=22	W=23	X=24	Y=25	Z=26	

Letters of the Alphabet in Binary Code				
A=01100001	G=01100111	M=01101101	S= 01110011	Y=01111001
B=01100010	H=01101000	N=01101110	T=01110100	Z=01111010
C=01100011	I=01101001	O=01101111	U=01110101	
D=01100100	J=01101010	P=01110000	V=01110110	
E=01100101	K=01101011	Q=01110001	W=01110111	
F=01100110	L=01101100	R=01110010	X=01111000	

Example: S is the nineteenth of the alphabet.
Its lowercase binary code is 01110011.
Its number equation is be 16+0+0+2+1=19

Show the the last five digits of each binary number, the equation, and number for each letter below.

b is _ _ _ _ _ and _ +_ +_ +_+_ =

n is _ _ _ _ _ and _ +_ + + + =

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Learning Binary Code- Alphabet Letters

A byte or group of eight numbers create a code for an alphabet letter in binary code. You can tell if it is a capital or lowercase letter by looking at the first three digits. An uppercase letter starts with a 010. A lowercase letter starts with 011.

If you see a 1, it means the value is on or has value. If you see a 0, it means the value is off or doesn't have a value.

Each space of the last five spaces in a code has represents a different number. When the numbers represented are added together, they equal the number that letter is in the alphabet.

A=1	B=2	C=3	D=4	E=5	F=6	G=7	H=8	I=9
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c is _ _ _ _ _ and _ +_ +_ +_+_=

o is _ _ _ _ _ and _ +_ +_ +_+_ =

d is _ _ _ _ _ and _ +_ +_ +_+_ =

e is _ _ _ _ _ and _ +_ +_ +_+_ =

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Binary Code Math Riddles

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Place the sum at the end of the equation above each binary byte to find the answer to each riddle. Show the the letter above each sum.

What did a computer into an apple?

_+_+_+_+_=__ / 01100010 _+_+_+_+_=__ / 01111001 _+_+_+_+_=__ / 01110100 _+_+_+_+_=__ / 01100101

When the computer got sick it caught a what?

_+_+_+_+_=__ / 01110110 _+_+_+_+_=__ / 01101001 _+_+_+_+_=__ / 01110010 _+_+_+_+_=__ / 01110101 _+_+_+_+_=__ / 01110011

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Binary Code Alphabet Letter Equations

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i is _ _ _ _ _ and _ +_ +_ +_+_=

n is _ _ _ _ _ and _ +_ +_ +_+_=

a is _ _ _ _ _ and _ +_ +_ +_+_=

r is _ _ _ _ _ and _ +_ +_ +_+_=

y is _ _ _ _ _ and _ +_ +_ +_+_=

n is _ _ _ _ _ and _ +_ +_ +_+_=

u is _ _ _ _ _ and _ +_ +_ +_+_=

m is _ _ _ _ _ and _ +_ +_ +_+_=

b is _ _ _ _ _ and _ +_ +_ +_+_=

e is _ _ _ _ _ and _ +_ +_ +_+_=

r is _ _ _ _ _ and _ +_ +_ +_+_=

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Binary Code Math Riddles

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_ +_ +_ +_+_=__ _ +_ +_ +_+_=__ _ +_ +_ +_+_=__ _ +_ +_ +_+_=__

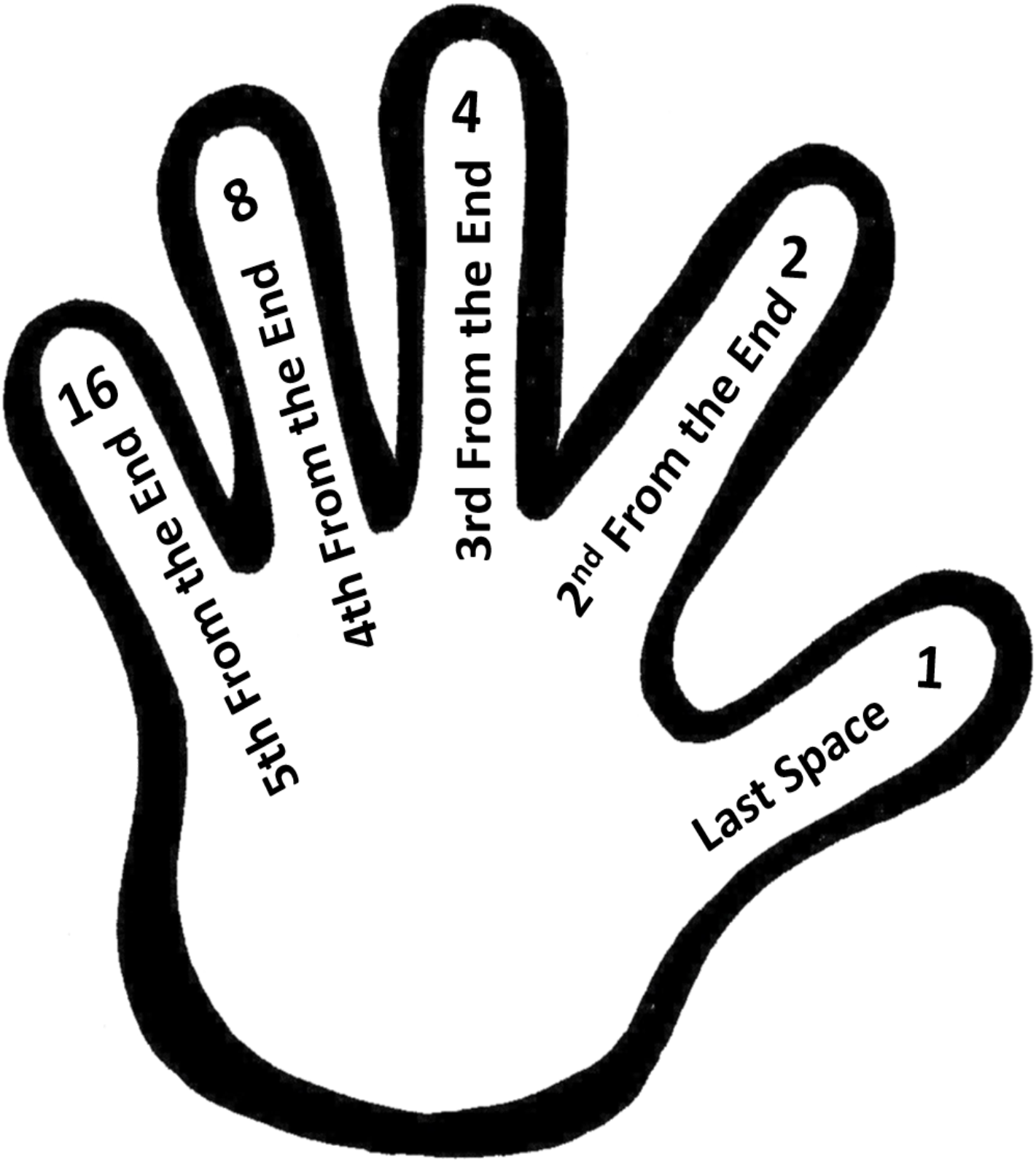
01100010 01111001 01110100 01100101

When the computer got sick it caught a what?

_ +_ +_ +_+_=__ _ +_ +_ +_+_=__ _ +_ +_ +_+_=__ _ +_ +_ +_+_=__ _ +_ +_ +_+_=__

01110110 01101001 01110010 01110101 01110011

Binary Number Counting on Fingers Hand



Alphabet Letters Number Order Chart

A 1	B 2	C 3	D 4	E 5	F 6	G 7	H 8	I 9
J 10	K 11	L 12	M 13	N 14	O 15	P 16	Q 17	R 18
S 19	T 20	U 21	V 22	W 23	X 24	Y 25	Z 26	

Binary Code for Lowercase Alphabet Letters

Letters of the Alphabet in Binary Code				
A=01100001	G=01100111	M=01101101	S= 01110011	Y=01111001
B=01100010	H=01101000	N=01101110	T=01110100	Z=01111010
C=01100011	I=01101001	O=01101111	U=01110101	
D=01100100	J=01101010	P=01110000	V=01110110	
E=01100101	K=01101011	Q=01110001	W=01110111	
F=01100110	L=01101100	R=01110010	X=01111000	

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Pinterest: https://www.pinterest.com/jdaniel4smom

What is in the set?

- 3 Binary Code Pages
- Binary Number Counting on Fingers Hand
- Alphabet Letters Number Order Chart
- Binary Code for Lowercase Alphabet Letters

Answers to Binary Riddles on Page 3

Byte

Virus

Clip Art is from: