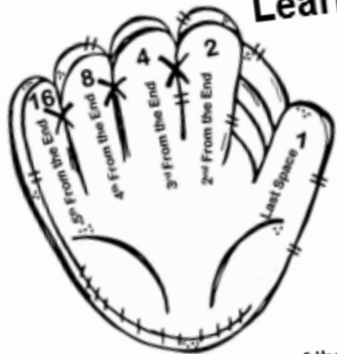# Baseball Mitt Binary Code Alphabet Equations and Riddles
Created by Deirdre Smith of JDaniel4'sMom

Name: _____

Learning Binary Code- Alphabet Letters

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

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

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

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

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 code,
the equation, and number for each letter below.
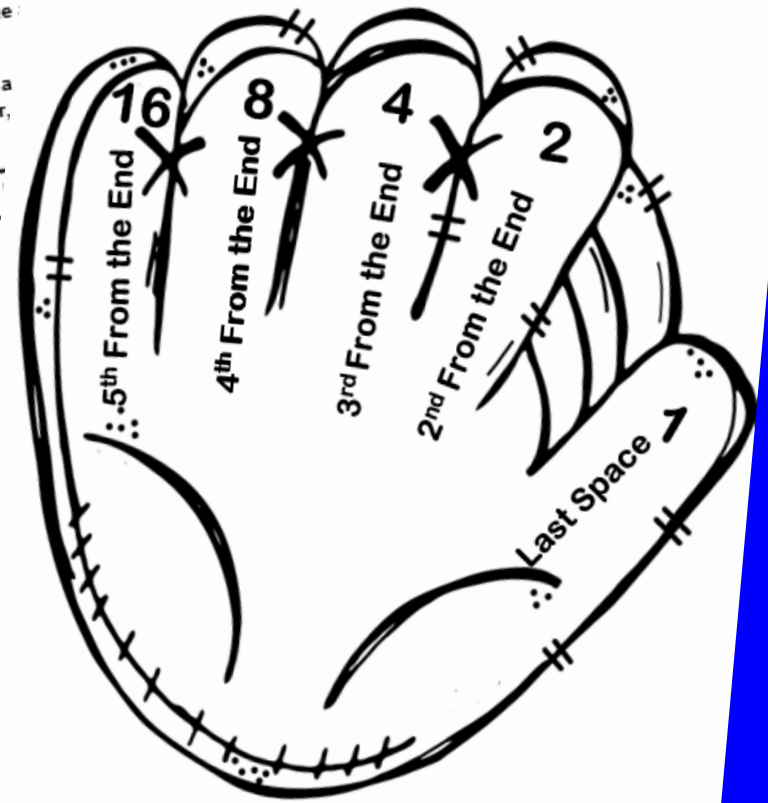
c is _ _ _ _ _ _ and _ + _ + _ + _ + _ =

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

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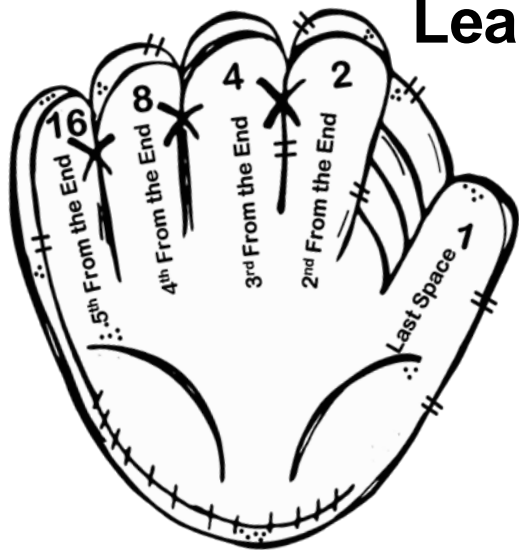
e is _ _ _ _ _ _ and _ + _ + _ + _ + _ =

Letters of the Alphabet in Binary Code

		M=01101101	S= 011100!
A=01100001	G=01100111	N=01101110	T=011101_
B=01100010	H=01101000	O=01101111	U=01110_
C=01100011	I=01101001	P=01110000	V=0111/
D=01100100	J=01101010	Q=01110001	W=01_
E=01100101	K=01101011	R=01110010	X=01_
F=01100110	L=01101100		

Binary Number Counting on a Baseball Mitt

16 — 5th From the End
8 — 4th From the End
4 — 3rd From the End
2 — 2nd From the End
Last Space 1

Name:

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.

Example: S is the nineteenth of the alphabet.
Its lowercase binary code is 0111<u>10011</u>.
Its number equation is be 16+0+0+2+1=19

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	

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

c is _ _ _ _ _ and _ +_ +_ +_+_=

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

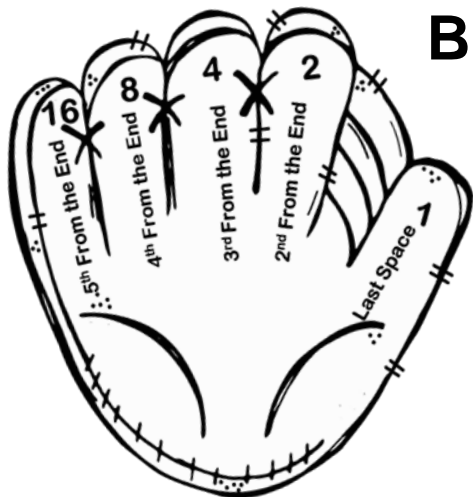d is _ _ _ _ _ and _ +_ +_ +_+_=

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

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	

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
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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 _ +_ +_ +_+_=

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

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

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

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

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

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Name:
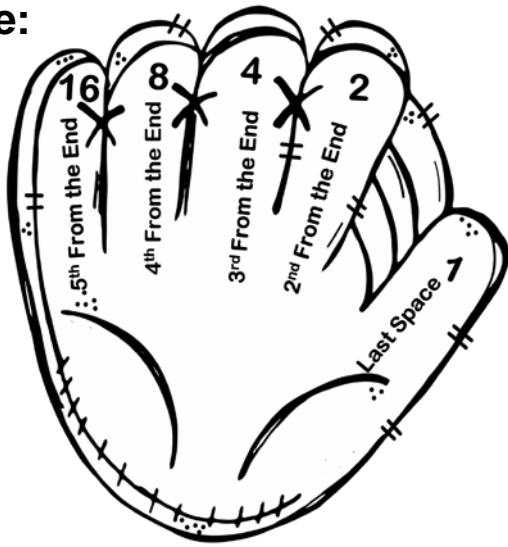
Binary Code Math Riddles

Baseball glove illustration with values: 16 (5th From the End), 8 (4th From the End), 4 (3rd From the End), 2 (2nd From the End), 1 (Last Space)

Example: S is the nineteenth of the alphabet.
Its lowercase binary code is 011**10011**.
Its number equation is be 16+0+0+2+1=19

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.

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	

What are a baseball players favorite animals?

_ +_ +_ +_+_=__   _ +_ +_ +_+_=__   _ +_ +_ +_+_=__   _ +_ +_ +_+_=__
01100010   01100001   01110100   01110011

After a trip, where do baseball players want to go?

_ +_ +_ +_+_=__   _ +_ +_ +_+_=__   _ +_ +_ +_+_=__   _ +_ +_ +_+_=__
01101000   01101111   01101101   01100101

5th From the End 16

4th From the End 8

3rd From the End 4

2nd From the End 2

Last Space 1

Binary Number Counting
on a Baseball Mitt

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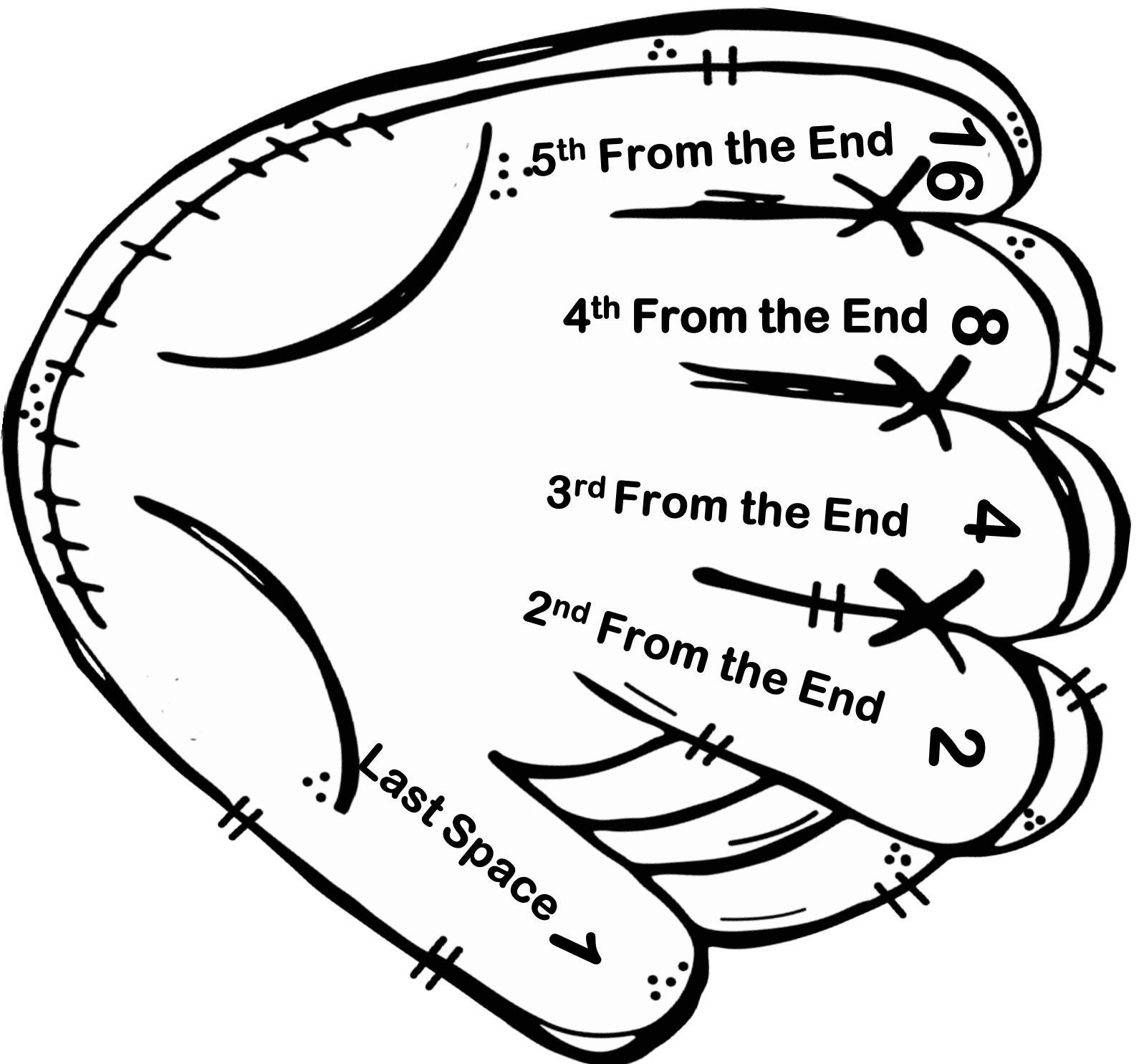
Alphabet Letters Number Order Chart

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	

Thank you for this download I hope your children enjoy this JDaniel4's Mom resource.

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Twitter: https://twitter.com/jdaniel4smom?lang=en
Pinterest: https://www.pinterest.com/jdaniel4smom

What is in the set?

- 3 Binary Code Pages
- Binary Number Counting on a Baseball Mitt
- Alphabet Letters Number Order Chart
- Binary Code for Lowercase Alphabet Letters

Answers to Binary Riddles on Page 3

Bats

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