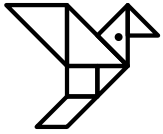




Learn a new puzzle

Binary Code



Each group of five 0s and 1s is one letter. Use the key to write the letters.

A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

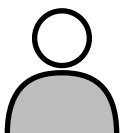
00010

00101

00001

10010

- 1 Each letter is a group of five 0s and 1s.
- 2 Find the same group in the key. Write its letter.
- 3 Places are worth 16, 8, 4, 2, 1, so A is 00001.



Zero, one... which letter is that?

**1****Binary Code**

Each group of five 0s and 1s is one letter. Use the key to write the letters.



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H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

10011**01111****00011****01011****2****Binary Code**

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

00100**01111****10100**

**Binary Code**

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

01011**01001****10100****00101****Binary Code**

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

00010**01111****01110****00101**



5

Binary Code

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

00010

01100

10101

00101

10000

01001

00111

6

Binary Code

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

00110

00001

10011

10100

00100

01111

00111

7

Binary Code

Each group of five 0s and 1s is one letter. Use the key to write the letters.



A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

01000

00001

10000

10000

11001

01111

10111

01100

**8 Binary Code** Write this word in binary code. Use the key.

A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

P A R K

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**9 Binary Code** Write this word in binary code. Use the key.

A 00001	B 00010	C 00011	D 00100	E 00101	F 00110	G 00111
H 01000	I 01001	J 01010	K 01011	L 01100	M 01101	N 01110
O 01111	P 10000	Q 10001	R 10010	S 10011	T 10100	U 10101
V 10110	W 10111	X 11000	Y 11001	Z 11010		

K I N D

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**10****Binary Code**

Add the place values over each 1. That number is the letter (A is 1).



Place values

16	8	4	2	1
1	1	0	1	0

Example

 $16 + 8 + 2 = 26$, so 11010 is Z

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

10011**10101****00111****00001****10010**



Answers

For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · Binary Code

#1

00010 00101 00001 10010
B E A R

The code says SOCK.

#2

00100 01111 10100
D O T

The code says DOT.

#3

01011 01001 10100 00101
K I T E

The code says KITE.

#4

00010 01111 01110 00101
B O N E

The code says BONE.

#5

00010 01100 10101 00101 10000 01001 00111
B L U E P I G

The code says BLUE PIG.

#6

00110 00001 10011 10100 00100 01111 00111
F A S T D O G

The code says FAST DOG.

#7

01000 00001 10000 10000 11001 01111 10111 01100
H A P P Y O W L

The code says HAPPY OWL.

#8

P A R K
10000 00001 10010 01011

Each letter of PARK is written with its five 0s and 1s from the key.

#9

K I N D
01011 01001 01110 00100

Each letter of KIND is written with its five 0s and 1s from the key.

#10

10011 10101 00111 00001 10010
S U G A R

Add the place values over each 1:
10011 is $16 + 2 + 1 = 19$, so it is S. The message is SUGAR.