Binary Code Breaking Activity

Can you crack the code? Binary code is used by computers to store information. It is usually made up of two symbols - 1 and 0! We can also represent binary with other symbols, like marked and empty boxes!

The key on the right shows the binary code for the alphabet. Using the key, can you figure out what the secret code is? Write the correct letter beside each code strip to find out! The first letter has been done for you!

⊠ equals 1
☐ equals 0

C

Answer:

___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___

Letter	Binary Number
a	01100001
b	01100010
c	01100011
d	01100100
e	01100101
f	01100110
g	01100111
h	01101000
i	01101001
j	01101010
k	01101011
l	01101100
m	01101101
n	01101110
o	01101111
p	01110000
q	01110001
r	01110010
s	01110011
t	01110100
u	01110101
v	01110110
w	01110111
x	01111000
y	01111001
z	01111010

Great job! Can you use the key and the following page to write your own code for a friend to solve?

If you are stuck, see the code strip key on the last page!

blue {
shift
}

Hint: Mark the boxes for one, and leave empty for 0

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□□□□□□□□	_____	□□□□□□□□	_____

Answer:

_____

_____

_____

Binary (ASCII)	Letter		Binary (ASCII)	Letter
☐☒☒☐☐☐☐☒	A		☐☒☒☐☒☒☒☐	N
☐☒☒☐☐☐☒☐	B		☐☒☒☐☒☒☒☒	O
☐☒☒☐☐☐☒☒	C		☐☒☒☒☐☐☐☐	P
☐☒☒☐☐☒☐☐	D		☐☒☒☒☐☐☐☒	Q
☐☒☒☐☐☒☐☒	E		☐☒☒☒☐☐☒☐	R
☐☒☒☐☐☒☒☐	F		☐☒☒☒☐☐☒☒	S
☐☒☒☐☐☒☒☒	G		☐☒☒☒☐☒☐☐	T
☐☒☒☐☒☐☐☐	H		☐☒☒☒☐☒☐☒	U
☐☒☒☐☒☐☐☒	I		☐☒☒☒☐☒☒☐	V
☐☒☒☐☒☐☒☐	J		☐☒☒☒☐☒☒☒	W
☐☒☒☐☒☐☒☒	K		☐☒☒☒☒☐☐☐	X
☐☒☒☐☒☒☐☐	L		☐☒☒☒☒☐☐☒	Y
☐☒☒☐☒☒☐☒	M		☐☒☒☒☒☐☒☐	Z