



BINARY CODE: DECODE YOUR GROUP



A team is in Group J of the World Cup.
Use binary code to discover the countries in the group.

WHAT IS BINARY CODE?

Binary code uses only two numbers: 0 and 1.

Each group of 8 bits (8 zeros or ones)

represents a character using the ASCII table.

By decoding these groups, we can read letters and form words.

Example:

01000001 = A

01000010 = B

01000011 = C

ASCII REFERENCE TABLE (uppercase)

CHAR	BINARY
A	01000001
B	01000010
C	01000011
D	01000100
E	01000101
F	01000110
G	01000111
H	01001000
I	01001001
J	01001010
K	01001011
L	01001100
M	01001101

CHAR	BINARY
N	01001110
O	01001111
P	01010000
Q	01010001
R	01010010
S	01010011
T	01010100
U	01010101
V	01010110
W	01010111
X	01011000
Y	01011001
Z	01011010

INSTRUCTIONS

- 1 Each country name is written in binary code.
- 2 Split each line into groups of 8 bits.
- 3 Use the ASCII table to convert each group into the corresponding letter.
- 4 Write the full name of the country.

BINARY CODE	COUNTRY
1 01000001 01010010 01000111 01000101 01001110 01010100 01001001 01001110 01000001	_____
2 01001001 01010010 01000001 01001110	_____
3 01010011 01000101 01001110 01000101 01000111 01000001 01001100	_____
4 01001010 01000001 01010000 01000001 01001110	_____



THINK & REFLECT

- Why do you think computers use binary code?
- What other hidden messages could be written using binary?
- Research: Which other countries have qualified for the World Cup before?



EXTRA CHALLENGE (OPTIONAL):

Write your name or your favorite country in binary (ASCII) and challenge a classmate to decode it!

