

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!

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

Binary Code	Letter	Binary Code	Letter
0 1 1 0 0 0 0 1	<u>A</u>	0 1 1 0 1 1 1 0	<u>N</u>
0 1 1 0 0 0 1 0	<u>B</u>	0 1 1 0 1 1 1 1	<u>O</u>
0 1 1 0 0 0 1 1	<u>C</u>	0 1 1 1 0 0 0 0	<u>P</u>
0 1 1 0 0 1 0 0	<u>D</u>	0 1 1 1 0 0 0 1	<u>Q</u>
0 1 1 0 0 1 0 1	<u>E</u>	0 1 1 1 0 0 1 0	<u>R</u>
0 1 1 0 0 1 1 0	<u>F</u>	0 1 1 1 0 0 1 1	<u>S</u>
0 1 1 0 0 1 1 1	<u>G</u>	0 1 1 1 0 1 0 0	<u>T</u>
0 1 1 0 1 0 0 0	<u>H</u>	0 1 1 1 0 1 0 1	<u>U</u>
0 1 1 0 1 0 0 1	<u>I</u>	0 1 1 1 0 1 1 0	<u>V</u>
0 1 1 0 1 0 1 0	<u>J</u>	0 1 1 1 0 1 1 1	<u>W</u>
0 1 1 0 1 0 1 1	<u>K</u>	0 1 1 1 1 0 0 0	<u>X</u>
0 1 1 0 1 1 0 0	<u>L</u>	0 1 1 1 1 0 0 1	<u>Y</u>
0 1 1 0 1 1 0 1	<u>M</u>	0 1 1 1 1 0 1 0	<u>Z</u>

Word 1:

Binary Code	Letter
1 1 1 1 1 1 1 1 1	C
0 1 1 0 1 1 1 1 1	_____
0 1 1 0 0 1 0 0 0	_____
0 1 1 0 1 0 0 0 1	_____
0 1 1 0 1 1 1 1 0	_____
0 1 1 0 0 1 1 1 1	_____

Word 2:

Binary Code	Letter
0 1 1 0 1 0 0 0 1	_____
0 1 1 1 0 0 1 1 1	_____

Word 3:

Binary Code	Letter
0 1 1 0 0 1 1 1 0	_____
0 1 1 1 0 1 0 0 1	_____
0 1 1 0 1 1 1 1 0	_____

Answer: _____

Great job! Can you use the key and the following page to write your own code for a friend to solve? **Hint: Write your code top to bottom, left to right.**

Binary Code

Letter

Binary Code

Letter

↓	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____	↓	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
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Answer: _____

