DIGITAL TECHNOLOGIES HUB

Name: _____

Date: ___ / ___ / ___

Use the image to explain how a computer uses binary digits to encode an image.
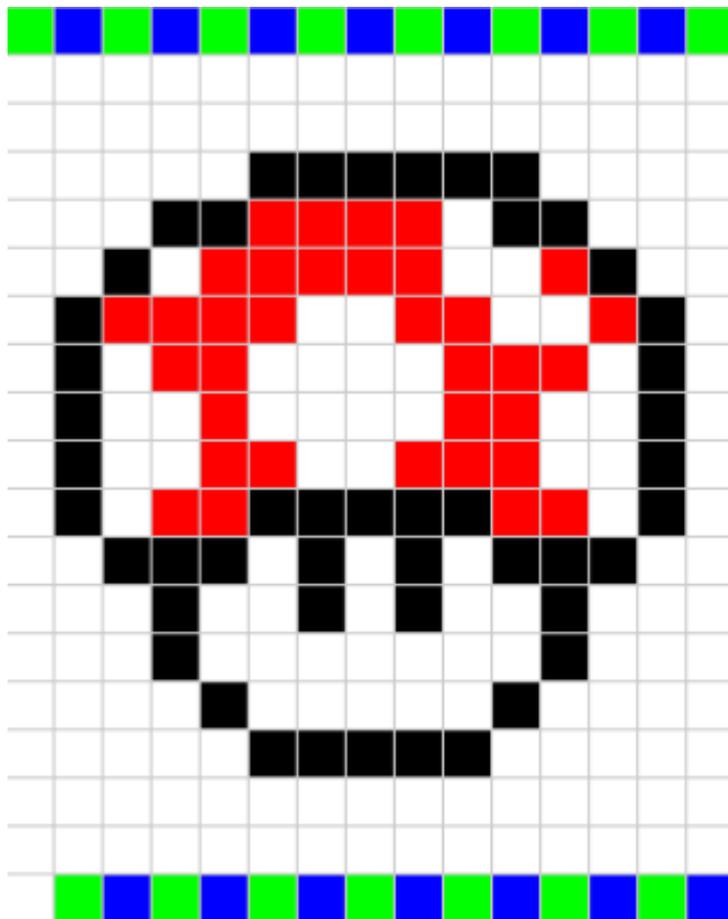

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010 001 010 001 010 001 010 001 010 001 010 001 010 001 010
111 111 111 111 111 111 111 111 111 111 111 111 111 111 111
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111 111 111 111 111 111 111 111 111 111 111 111 111 111 111
001 010 001 010 001 010 001 010 001 010 001 010 001 010 001
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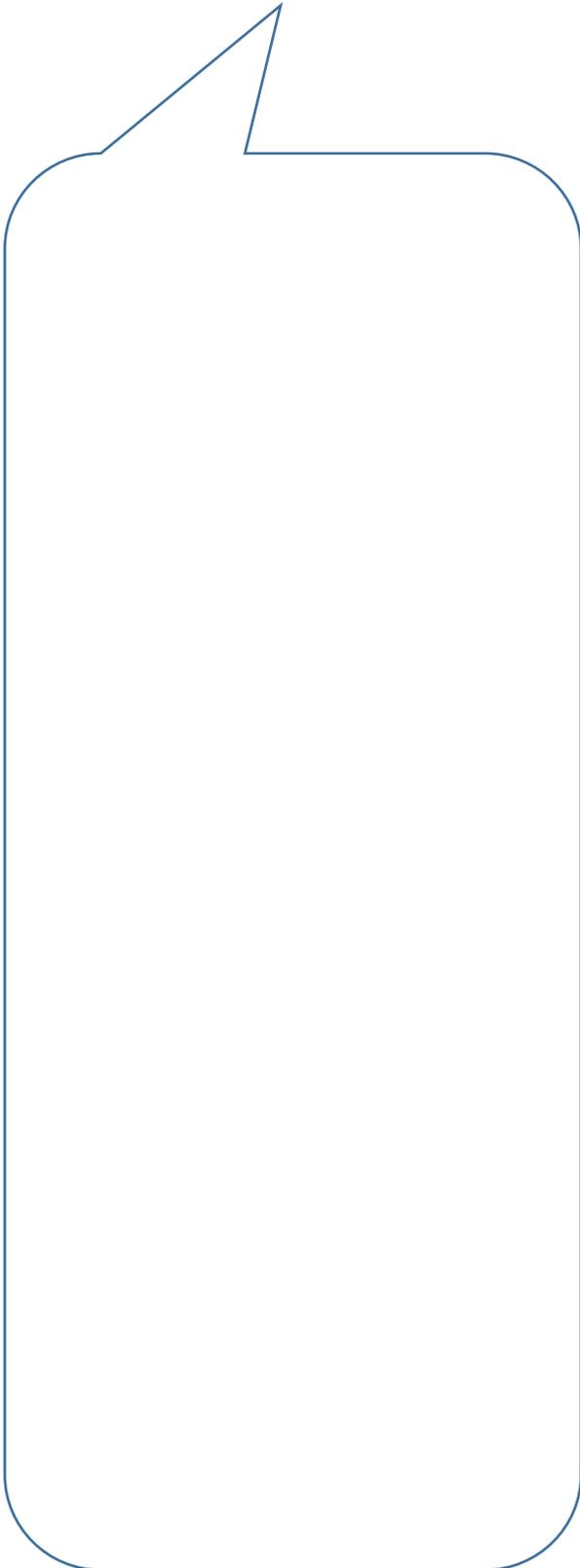
Questions

There are 8 colours able to be made using 3 bit binary digits.

Five colours were used to create the bitmap image.

Write the corresponding 3 bit binary numbers for each colour. White has been completed.

_____

_____

_111___

_____

_____

3 colours were not used.

How would you make these colours using 3 bit binary digits? _____ _____ _____

Create your own image and encode it using 3 bit binary digits.