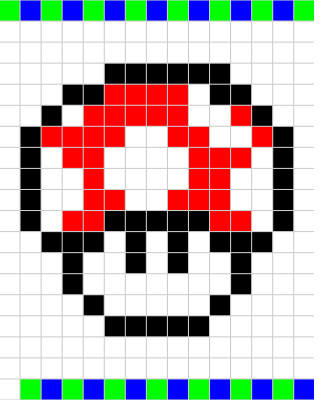
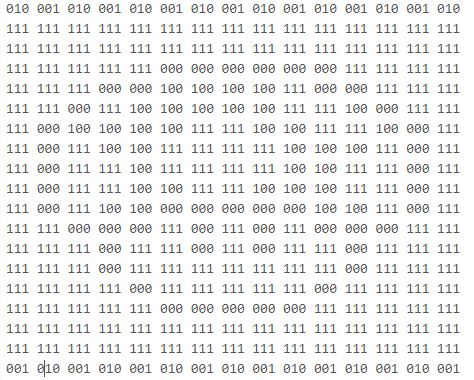


**Pixels and binary digits: Pixels handout**

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| --- | --- | --- | --- |
| **Name:** |  | **Date:** | **/ /** |

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







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**Pixels and binary digits: Pixels handout**

# 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.

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