

Questions

1) Define a pixel. [1]

2) Describe a bitmap image. [1]

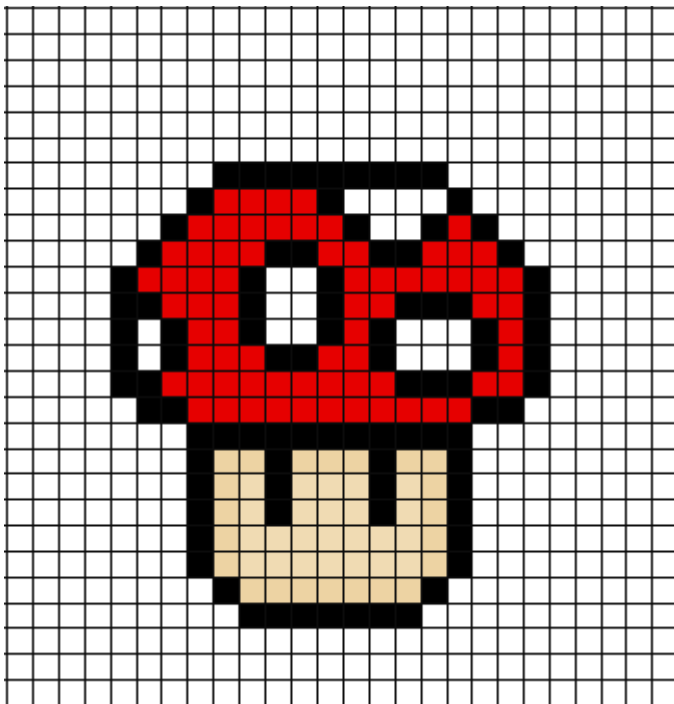
3) A bitmap image is 21 pixels high and 3 pixels wide. How many pixels are in the image? [1]

4) a) Define colour depth. [1]

b) How many colours can be used with a colour depth of 8? [1]

c) What is the colour depth of an image with 4 colours? [1]

5) The image below is a bitmap.



a) Calculate the minimum file size of this image. Show your working. [4]

b) Explain why the actual file size is slightly more than you have calculated. [2]

- 6) Charlie has produced an image. Part of the bitmap image is shown below with each letter representing a colour:

B	B	W	R	Y
B	B	W	R	R
B	W	W	R	R
Y	B	B	R	R
Y	Y	B	W	W

Using the example shown above, explain how a bitmap image is stored on a computer.

[5]