

**01 Figure 1** shows four statements about how image files are stored on a computer.

Tick **two** boxes to indicate the correct statements.

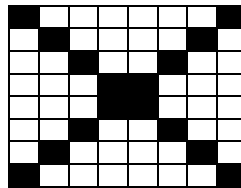
**[2 marks]**

**Figure 1**

Statement	Tick two boxes
Image files need to be compressed to be stored on a computer	
Image files are always stored on a computer using binary	
Images always take up less space to store than sound files	
Images must be broken into individual picture elements to allow them to be stored on a computer	

**02 Figure 2** shows an 8 x 8 black and white bitmap image.

**Figure 2**



**02.1** State the meaning of the term colour depth as it applies to bitmap images such as the one shown in **Figure 2**.

**[1 mark]**

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**02.2** What is the file size of the image shown in **Figure 2**? Your answer should be given in **bits**.

You should show your working.

**[2 marks]**

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Answer: .....

**02.3** Explain why adding a third colour to the image in **Figure 2** would increase the file size.

**[1 mark]**

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