

Name: \_\_\_\_\_

Grade:     / 13

### Media Types - 1

Answer the questions below in the spaces provided.

1. a) Johnny is a music manager with Fife Records responsible for hiring new bands. He asks new bands to submit songs as high quality, *uncompressed* sound files with a *sampling rate* of 320mbps in order that he can hear the detail in their records.

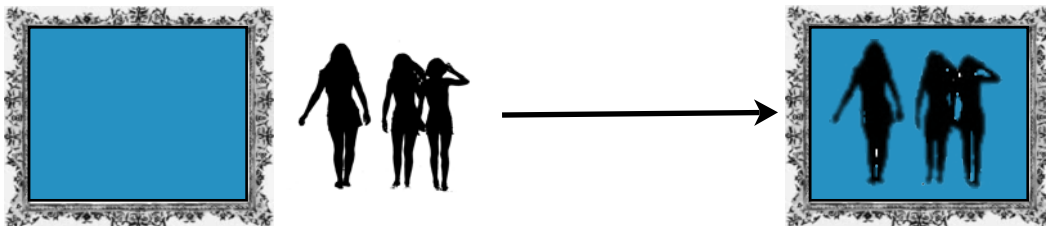
(i) State a standard file type that the bands could use to submit their songs. (1)

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(ii) What would be the effect on the quality of the submitted sound files if the bands submitted files with a sampling rate of 192 mbps. (1)

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- b) Johnny asks the new bands to submit a cover design for their album. He wants photo quality images of the band with transparent backgrounds so that they can be overlaid on a variety of possible album covers.



Suggest a suitable standard file type for image of the band. (1)

\_\_\_\_\_

- c) Johnny receives an email in *plain text* with no formatting.  
State **two** examples of additional formatting that could have been used in the email if it had been sent as an rtf file. (2)

\_\_\_\_\_

\_\_\_\_\_

2. a) Susan is the record librarian and archives videos of all of the bands live performances.

Suggest a suitable standard file type that Susan could use to save the files. (1)

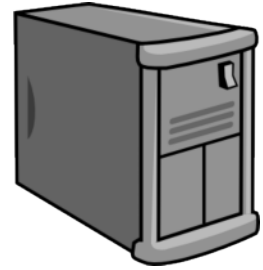
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- b) Susan often produces paper reports, including text and graphics, to show the current stock within the library. Suggest a standard file type that would allow the reports to be read on any computer system. (1)

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3. Rhona is a school technician at Fifeview Community School. The server she works on is running out of space.

Describe how the amount of available space on the server could be increased without deleting any of the files



(1)

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4. a) Susan also maintains Fife Record's website. She calculates the file size of each digital photo before it is added to the website's photo gallery.



Calculate the file size of a 256 colour photo with a resolution of 600 x 1000.

(3)

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- b) How many times larger would the file size be if the resolution was doubled to 1200 x 2000?

(1)

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- c) State why website images often use a colour depth of only 8 bits.

(1)

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