

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

Grade: / 12

### Media Types - 2

Answer the questions below in the spaces provided.

1. A mobile phone app records and saves data as a wav file. State the **type** of data associated with a wav file. (1)

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2. GraphicTools is a application used to create logos. State the graphical media type being described below. (1)

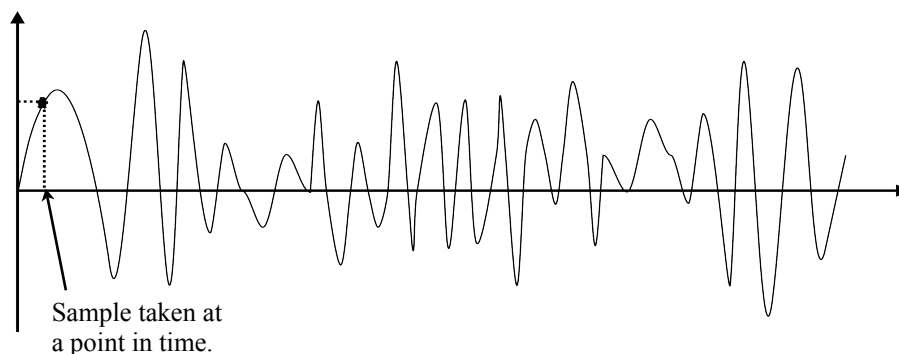
8-bit colour depth  
Capable of transparency  
Can store multiple images to create an animation  
Uses compression to reduce its file size

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3. The standard file type, portable network graphic (png), uses compression to reduce file size. State why their use of compression makes png files suitable for use on websites designed to be displayed on smartphones? (1)

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4. An analogue sound is digitised (converted to digital information) by taking regular samples of the sound wave and storing each sample as a binary number. The number of samples taken every second is called the “sampling rate”.



Use the words **high** and **low** to complete the table, showing the settings that would be used when each of the two sounds described below are digitised. (1)

Sound Required		Setting Required (high or low)
A sample of a guitar sound is required for use in a video game. It's important the sound quality is excellent.	Sampling Rate	
A sound of a mouse clicking has been recorded for use in a presentation. The sound will play as each slide is shown.	Sampling Rate	

5. a) Bennies Cakehouse wishes to create a new logo and use it on their website. Circle the cupcake graphic below that has been saved as a png file. (1)



- b) Explain your answer. (1)

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6. Mp4 files are often large, describe **one** method the mp4 standard file format uses to compress video files. (1)

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7. Fife Tennis Club create their monthly newsletter using a word processing package. They wish to post the latest newsletter on their website but are concerned about previous complaints from members who couldn't open the file.

- a) Explain why some of the members can view the website but cannot open the newsletter file. (1)

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- b) Describe a solution to this problem that will ensure every member can read the file. (1)

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8. Plain Text and Rich Text Format files are two standard file formats associated with storing text.

- a) State which of the two formats you would recommend to store the text shown below. (1)

An **information system** is *hardware* and *software* used to collect, store and process data.

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- b) State **two** reasons to support your above choice. (2)

1. \_\_\_\_\_

2. \_\_\_\_\_