

5 A band is recording their new song. They need to consider the sample rate and sample resolution of their recording.

(a) Give **one** benefit of using a higher sample rate to record the song.

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..... [1]

(b) Give **one** drawback of using a higher sample rate to record the song.

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..... [1]

(c) Describe what is meant by sample resolution.

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..... [2]

(d) The band wants to compress the sound file, but they do **not** want any data to be permanently removed.

Identify the compression method that should be used.

..... [1]