Name: Class: Mark:

1. (a) Give **two** reasons why you might compress photograph files before emailing them. [2]

 Reason 1.

 Reason 2:

 (b) Explain the most suitable form of compression to use when transmitting:

 (i) a draft manuscript for a book. [2]

 (ii) A video recording which you have made of the school play. [2]

2. A music production company needs to save music at the highest quality possible. They would like to make use of compression if possible.

 (a) Explain how compression can help the music production company. [2]

 (b) The company has tried compressing a 10 MB file with two different methods.

 Method 1 is a lossy compression that reduces the file to 1 MB.

 Method 2 is a lossless compression that reduces the file to 5 MB.

 Explain why the company has chosen to use Method 2. [2]

 [Total 10 marks]