

- (i) The club has a simple black and white logo. The image is compressed using a lossless, run-length encoding (RLE) algorithm.

Explain how a run-length encoding algorithm works.

(2)

- (b) The photographer downloads images from a website. The images are compressed.

- (i) Give **one** reason why images are compressed.

(1)

A lossless, run length encoding (RLE) algorithm is used to compress the images.

This table shows some of the data for an image.

r	r	r	r	b	b	r	y	y	y
---	---	---	---	---	---	---	---	---	---

- (ii) Apply RLE to the data and give the result.

(2)

A lossy compression algorithm could be applied to the image data.

One feature of lossy compression is that it reduces the file size.

- (c) Give **two** other features of lossy compression.

(2)
