

Solutions

Each answer shows the steps, then the **result**.

2.1

- it reduces the number of bits needed to store or transmit the data

2.2

- lossless compression restores the original exactly; lossy compression discards some data and cannot

2.3

- any one where exact data matters: text, program code, legal or medical files

3.1 B

3.2 B

3.3

(a)

- lossless

(b)

- it would lose or change some of the text

(c)

- faster transmission (or less storage used)