

2.6 Data Representation Lesson 5 - Compression

Total points **8/8**

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✓ In Computer Science, what is compression? (1-4)

1/1

- ☐ To convert one file to another
- ☒ To reduce the size of data ✓
- ☐ Changing a file to make it secure
- ☐ To compress something by pressing it very hard

✓ What does Lossy Compression do to files? (4-6)

1/1

- ☐ Increases the file size and keeps the same quality
- ☐ Eliminates no information at all
- ☐ Decreases the file size and keeps the same quality
- ☒ Eliminates unnecessary information in a file to reduce file size ✓



✓ What is Lossless Compression? (4-6)

1/1

- ☐ No information is lost but file size is increased
- ☒ There is no loss in information at all after compression ✓
- ☐ Files which have the exact same data after compression
- ☐ Compression that involves an algorithm

✓ What type of compression does the ZIP format use? (7-9)

1/1

- ☐ Lossy
- ☒ Lossless ✓

✓ What type of compression would you use to compress a video for streaming? (4-6)

1/1

- ☒ Lossy ✓
- ☐ Lossless

✓ What type of compression would you use to compress a text file to download from the web? (4-6)

1/1

- ☐ Lossy
- ☒ Lossless ✓



✓ Which of the following are not in a compressed format? (7-9)

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☐ JPEG

☐ MPEG

☒ Bitmap



☐ MP3

✓ Uncompressed audio and video files require less memory than compressed files. (1-4)

1/1

☐ True

☒ False



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