Data Representation & Compression

1. Complete the table below, giving denary, binary and hexadecimal representations for the remaining characters. (12)

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|  | **ASCII Code** | | |
| **Character** | **Denary** | **Binary** | **Hexadecimal** |
| H | 72 | 01001000 | 48 |
| I |  |  |  |
| J |  |  |  |
| K |  |  |  |
| L |  |  |  |

2. How many different characters can be represented in standard ASCII? (1)

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3. Describe the difference between lossy and lossless compression. (2)

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4. Give an example of lossless compression. (1)

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5. Give an example of lossy compression. (1)

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