## Data Storage Units

1. How many bits are in a byte? (1)

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*Answer the following questions using storage units based on powers of 2.*

2. Complete the table below (6)

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|  | **Abbreviation** | **Number of bytes** |
| **Kilobytes** |  |  |
| **Megabytes** |  |  |
| **Gigabytes** |  |  |

3. How many bytes are in 10 kilobytes? (1)

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4. How many bytes are in 5 megabytes? (1)

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5. Give the capacity of 8GB memory in bytes (1)

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6. Give the file size shown below in megabytes (show your working). (2)

51,200KB

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7. Give the file size shown below in gigabytes (show your working). (2)

2,048MB

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