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| B | File size calculations |
| What is the file size of an image which is 400x200px with a colour depth of 8 bits? | |
| **26**  bits | |
| **27**  Bytes | |
| **28**  KB | |

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| **B** | **Image metadata** |
| **18** | |
| **19** | |
| **20** | |
| **21** | |
| **22** | |
| **23** | |
| **24** | |
| **25** | |

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| **C** | **Representing Images** | |
| **Bitmap** | | The **7**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an image by converting it to pixels and each pixel to a **8\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **9** | | The representation of an image by splitting it into shapes and storing each shape as a binary number |
| **Pixel** | | The **10**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of an image. One dot of **11**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| **12** | | The level of detail in an image, measured in pixels per inch (measured in **13\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**) |
| **14** | | The number of bits used per pixel to record colour. |
| **File Size** | | **15**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ × **16**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ × **17**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **A** | **Key Vocab** | |
| **Compression** | | Reduction in **1**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to lessen download times and **2**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **3** | | Compression which loses data (and therefore quality) |
| **Lossless** | | **4**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which preserves the original **5**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Metadata** | | **6** |

Data Representation: Compression of Images and Text

Name: