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| **A** | **Key Vocab** | |
| **Compression** | | Reduction of a file size either by removing information (lossy) or without removing information (lossless) |
| **Lossy** | | Compression of a file which loses some original data |
| **Lossless** | | Compression of a file which keeps all the original data |
| **Pixel** | | A single point of colour which makes up a bitmap image |
| **Vector** | | A method of storing an image. Details of where lines start and end, fills and colours are stored. Looks smooth when enlarged |
| **Bitmap** | | A method of storing an image. Each pixel’s value and position is recorded. Looks pixelated when enlarged |
| **Raster** | | Same as bitmap |

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| **B** | **Property Definitions** | |
| **Digital graphic property** | | The features of a digital graphic file (as opposed to the composition) which make it suitable for different uses |
| **Resolution** | | The number of pixels in a certain area, often measured in dpi |
| **DPI** | | Dots per inch. A measure of resolution. The number of pixels in an inch. |
| **File Type** | | The way an image is stored on the computer eg GIF |
| **File Extension** | | eg .gif at the end of the file name |
| **Dimensions** | | The width and the height of the image, measured either in pixels or in mm |
| **Download speed** | | Smaller file sizes download faster. Larger images download slower |
| **Picture quality** | | Smaller, more compressed files are lower quality. Larger files are higher quality |

R082: Properties of Digital Graphics

Name:

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| **C** | | **Properties of images** | | | |
| **Property** | | | | **Made for the web** | **Made for print** |
| **1** | **Resolution** | | Measured in dpi | Low resolution – 72dpi | High resolution – 300 dpi |
| **2** | **Colours** | | How many colours the image can support | eg GIF has 256 | Millions of colours |
| **3** | **File size** | | Measured in MegaBytes (MB) | Small for lower download times | large for higher quality |
| **4** | **Dimensions** | | Width x Height | Measured in px | Measured in mm |
| **5** | **Compression** | | How the file is compressed | High compression for smaller file | Little or no compression |
| **6** | **File Type** | | Same as *file format* and *file extension* | eg GIF, JPG, PNG | eg RAW, TIFF, EPS, BMP |