**File size of bitmap graphics**

1) If the width of a bitmap image is 1000 pixels, the height is 2000 pixels and the colour depth is 8 bits, estimate the size of size of the image in Mb.

**2Mb**

2) If the width of a bitmap image is 1000 pixels, the height is 500 pixels and the colour depth is 8 bits, estimate the size of size of the image in Kb.

**500 Kb**

3) If the width of a bitmap image is 212 pixels, the height is 432 pixels and the colour depth is 24 bits, estimate the size of size of the image in Kb.

**275 Kb**

4) If the width of a bitmap image is 322 pixels, the height is 416 pixels and the there are only 2 colours (i.e. colour depth is 1 bit), estimate the size of size of the image in Kb.

**16Kb**

5) If there are 15600 pixels in an image and the file size is 46800 bytes, what is the colour depth (i.e. how many bits per pixels are there).

**24**

6) If I take a full colour 24 bit 10 Mega-pixel photograph with my camera what is the size of the image in Mb?

**30 Mb**

7) If you have a 1 Gb SD memory storage device on your camera, how many of these photographs could you store?

**33**

9) What is the width of the image that has 72dpi and is 460 pixels wide when output on a printer. Provide your answer in cm (there are 2.54 cm to 1 inch)?

**16.2cm**

10) What is the width of the image that has 95dpi and is 400 pixels wide when output on a printer. Provide your answer in cm (there are 2.54 cm to 1 inch)?

**10.7cm**