2.6 Data Representation Lesson 3 – Images

Total points **9/10**

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✓ **What do we call the smallest unit of data that can be represented in an image?**   1/1

- ◉ Pixel   ✓
- ○ Dot
- ○ Colour
- ○ Bit

✓ **What is meant by Colour Depth?**   1/1

- ○ Number of pixels in the image
- ◉ The number of colours available for each pixel   ✓
- ○ How pixelated the image is Question 3: If you increase

✓ If you increase the colour depth then the file size will decrease?   1/1

   ○ True

   ◉ False   ✓

✓ How many colours can be represented with a 4 bit colour depth?   1/1

   ○ 2

   ○ 4

   ◉ 16   ✓

   ○ 256

✓ What is the term used to define what must be known about a bitmap, for   1/1
it to be represented accurately?

   ○ Microdat

   ◉ Metadata   ✓

   ○ Megadata

✓ In modern technology what unit of measurement would be used for   1/1
screen size?

   ◉ Pixels per inch (PPI)   ✓

   ○ Dots per inch (DPI)

   ○ Pixels per metre (PPM)

✓   Which of the following is not stored as Metadata about an image?   1/1

○ Height

○ Colour Depth

○ Resolution

◉ Number of people in the image   ✓

✓   Which of the following is not an image file?   1/1

○ PNG

○ JPEG

○ Bitmap

◉ MPEG   ✓

✓   Which three colours are used to produce a broad array of colours in a   1/1
    computer system?

○ Green/Red/Orange

◉ Red/Green/Blue   ✓

○ Yellow/Green/Red

✕   What is the name of the type of graphic that uses shapes of solid colour? 0/1

◯   Raster

◯   GIF

◉   JPEG   ✕

◯   Vector

Correct answer

◉   Vector

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