Unit 2.6 Data Representation
Lesson 3 – Images

MCQS

The numbers after the question are an approximate estimation of relative difficulty, broadly based around the new GCSE Numbering System. Please note that these were produced before final guidance was released regarding levels of difficulty and as such should be used as a rough guide only.

Question 1: What do we call the smallest unit of data that can be represented in an image? (1-4)	✓
Pixel	
Dot	
Colour	
Bit	
Question 2: What is meant by Colour Depth? (4-6)	✓
Number of pixels in the image	
The number of colours available for each pixel	
How pixelated the image is	
Question 3: If you increase the colour depth then the file size will decrease? (4-6)	✓
True	
False	
Question 4: How many colours can be represented with a 4 bit colour depth? (7-9)	✓
2	
4	
16	
256	
Question 5: What is the term used to define what must be known about a bitmap, for it to be represented accurately? (4-6)	✓
Microdata	
Metadata	
Megadata	
Question 6: In modern technology what unit of measurement would be used for screen size? (4-6)	✓
Pixels per inch (PPI)	
Dots per inch (DPI)	
Pixels per metre (PPM)	
Question 7: Which of the following is not stored as Metadata about an image? (6-9)	✓
Height	
Colour Depth	
Resolution	
Number of people in the image	

COMPUTER SCIENCE
MCQs and Answers

MCQS

Question 8: Which of the following is not an image file? (4-6)	✓
PNG	
JPEG	
Bitmap	
MPEG	
Question 9: What three colours are used to produce a broad array of colours in a computer system? (1-4)	✓
Green, Red, Orange	
Red, Green, Blue	
Yellow, Green, Red	
Question 10: What is the name of the type of graphic that uses shapes of solid colour? (6-8)	✓
Raster	
GIF	
JPEG	
Vector	

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MCQS ANSWERS

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True	
False	✓
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2	
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256	
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MCQS ANSWERS

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Yellow, Green, Red	
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Raster	
GIF	
JPEG	
Vector	✓

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