ENGLAND GCSE COMPUTER SCIENCE AQA · UNIT 3 · 5 QUESTIONS

Data Representation and Computer Systems — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A robot shifts the binary number 00000101 one place to the left. What is the result?**

- A 00000110
- B 00001001
- C 00001010
- D 00000010

Understand It with Pulse | Flag a mistake

2 **What is the denary value of 00000101 after a left shift of two places?**

A 7

B 40

C 10

D 20

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3 **An image is 800 pixels wide and 100 pixels high with a colour depth of 24 bits. How many bytes does the image take up before compression?**

A 120,000

B 480,000

C 2,400,000

D 240,000

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4 **What is the binary number for denary 5?**

- A 00000101
- B 00000100
- C 00001010
- D 00000110

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5 **What is an embedded system?**

- A A computer that can only be used with the internet, in some situations
- B A computer built into another device to carry out one job
- C A computer used by many people at the same time
- D A computer with no memory at all

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ANSWER KEY

1. C
2. D
3. D
4. A
5. B

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