Oxford Revise | OCR Computer Science | Answers

Chapter 2 Hexadecimal numbers

Question	Answer	Extra information	Marks	AO / Specification reference
1	16 1 C B 12 x 16 + 11 x 1 203	Digits correctly lined up under correct place values **or** Correct calculation to show multipliers of all place values. Correct answer.	1 1	AO2 1.2.4

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Question	Answer	Extra information	Marks	AO / Specification reference
2	210 ÷ 16 = 13 remainder 2 The first digit is 13, which is E in hexadecimal The second digit is 2 E2	Indication of 210 being divided by 16 showing the result and remainder. Correct answer.	1 1	AO2 1.2.4
3	A6	The 8-bit binary number can be split into two 4-bit nibbles and the conversion to hexadecimal for each nibble written down.	1	AO1 1.2.4
4	11000010	Each hexadecimal digit can be written down as a 4-bit nibble and joined together to make an 8-bit binary number.	1	AO1 1.2.4