

0	1	.	1
---	---	---	---

Convert the **hexadecimal** numbers 27 and C9 into **binary**. Then, in **binary**, add them together to work out the total. Finally, convert the total back into **hexadecimal** to give the answer.

You **must** show your working.

[2 marks]

Answer in hexadecimal _____

0 2 . **1**

Convert the bit pattern shown below into hexadecimal.

1	0	1	1	0	1	1	1
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[1 mark]

0 2 . **2**

Explain why programmers often use hexadecimal to represent bit patterns instead of binary.

[1 mark]

0	3	.	1
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State the **decimal** equivalent of the hexadecimal number C57**[1 mark]**

0	4	.	1
---	---	---	---

Convert the decimal number 193 to hexadecimal.

[1 mark]

0	5	.	1
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Assembly language programmers can use hexadecimal to represent bit patterns instead of binary.

Explain why assembly language programmers will often choose to use hexadecimal in preference to binary.

[1 mark]

0 6 . 1 Convert the bit pattern 10001010 to hexadecimal.

[1 mark]
