

2 Binary numbers can be converted to hexadecimal.

(a) Convert the **two** binary numbers to hexadecimal.

10010011

00001101

[4]

Working space

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(b) A value is stored as a binary number in a register.

0	1	1	1	1	0	1	0
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A logical right shift of **three** places is performed on the binary number.

(i) Complete the binary register to show its contents after this logical right shift.

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[1]

(ii) State **one** effect this logical shift has on the binary number.

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..... [1]

(c) Give **two** reasons why a programmer may use hexadecimal to represent binary numbers.

1

2

[2]

(d) Denary numbers can also be converted to hexadecimal.

Convert the denary number to hexadecimal.

301

[2]

Working space

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