

01.1 Convert the binary number 10111010 into decimal.

[1 mark]

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01.2 Convert the binary number 11001110 into hexadecimal. You should show your working.

[2 marks]

.....

Answer:

01.3 Convert the hexadecimal number 4C into decimal. You should show your working.

[2 marks]

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Answer:

01.5 State the arithmetic effect of right binary shifting a binary number by 4 and then left binary shifting the result by 2.

[1 mark]

.....

02 Add together the following three binary numbers and give your answer in 8 bit binary

[2 marks]

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00100111
00011001
+ 00100101

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03 Place the following quantities in order of size (1 – 4, where 1 is the smallest and 4 is the largest)

[3 marks]

Quantity	Order (1 – 4)
15 bits	
1 Byte	
1 kiloByte	
1,040 Bytes	