01 Convert the decimal number 99 into binary. Write your answer as an 8-bit binary number.

[1 mark]

01100011

02.1 How many megabytes are there in 3 terabytes? Show your working.

[2 marks]

3 TB = 3 x 1000 GB = 3000 GB [1 mark for multiplying by 1000 somewhere]

3000 Gb = 3000 x 1000 MB = 3,000,000 MB [1 mark for correct answer]

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

[2 marks]

	00100010
	01000011
+	00100100

10001001

[1 mark for 1000 in left half/1 mark for 1001 in right half]

03.2 Add together the following three binary numbers and give your answer in 8 bit binary
[2 marks]

00100010 10100010 + 00101101

11110001

[1 mark for 1111 in left half/1 mark for 0001 in right half]

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03.3 Add together the following three binary numbers and give your answer in 8 bit binary [2 marks]

10010111 01001011 + 00001101

11101111

[1 mark for 1110 in left half/1 mark for 1111 in right half]