01.1 Convert the binary number `11010111` into decimal.

[1 mark]

....

....

01.2 Convert the decimal number 199 into binary. Write your answer as an 8-bit binary number.

[1 mark]

....

....

01.3 State how many decimal numbers can be represented using 5 bits.

[1 mark]

....

01.4 State the range of decimal numbers that can be represented using 7 bits.

[1 mark]

....

02.1 Convert 12,000 kilobytes (kB) to megabytes (MB).

[1 mark]

....

02.2 Convert 8 gigabytes (GB) to kilobytes (kB).

[1 mark]

....

02.3 A file has a size of 4 kilobytes. How many bits are there in 4 kB? Show your working.

[2 marks]

....

....

....

02.4 Which is bigger, 12,000,000kB or 1.2GB?

[1 mark]

....

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