01.1 List the two things that binary numbers are used for in computers

[2 marks]

1. …………………………………………………………………………………………………..

2. …………………………………………………………………………………………………..

01.2 What two individual numbers are used in binary?

[1 mark]

……………………………………………………………………………………………………..

02 Binary numbers are made up of individual binary digits (numbers). These digits are called bits.

02.1 How many digits are in a 4 bit number?

[1 mark]

……………………………………………………………………………………………………..

02.2 How many digits are in an 8 bit number?

[1 mark]

……………………………………………………………………………………………………..

03 Convert each of these binary numbers into decimal:

[1 mark]

0 0 0 0 1 1 0 1

Answer: ……………………………..

0 0 0 1 0 1 0 0

Answer: ……………………………..

0 1 0 1 1 0 1 1

Answer: ……………………………..

04 What is the largest decimal number you can make from 8 binary bits?.

[1 mark]

……………………………………………………………………………………………………..

05 Write the decimal number 18 as an 8 bit binary number

[1 mark]

……………………………………………………………………………………………………..