



4.5.2 Number Bases

- 1) Describe how a 12-bit unsigned binary integer such as 111010101011 can be converted directly into hexadecimal.

The method you describe must **not** involve converting into decimal.

[2 marks]

- 2) State **one** reason why hexadecimal is often used in preference to binary.

[1 mark]

- 3) What is the hexadecimal equivalent of the bit pattern 00111001.

[1 mark]

- 4) What is the hexadecimal equivalent of the bit pattern 111101110001.

[2 marks]

- 5) What is the decimal equivalent of the binary number 11011001.

[1 mark]

- 6) Convert the decimal number 188 into unsigned binary format.

[1 mark]





7) Convert the decimal number 532 to a hexadecimal number.

[2 marks]

8) Convert the hexadecimal number FF3 into decimal.

[2 marks]

