**Activity – binary MAC addresses**

Convert the MAC address 08-60-6E-84-31-E2 to a format the computer can understand (binary). Remember to use nibbles.

|  |  |
| --- | --- |
| Hex | Binary |
| 0 | 0000 |
| 8 | 1000 |
| 6 | 0110 |
| 0 | 0000 |
| 6 | 0110 |
| E | 1110 |
| 8 | 1000 |
| 4 | 0100 |
| 3 | 0011 |
| 1 | 0001 |
| E | 1110 |
| 2 | 0010 |

**Answer: 0000:1000:0110:0000:0110:1110:1000:0100:0011:0001:1110:0010**

Convert the binary MAC address 0011 1110 1111 0100 0000 0001 1010 1011 00 1111 1110 1100 to hexadecimal.

|  |  |
| --- | --- |
| Binary | Hex |
| 0011 | 3 |
| 1110 | E |
| 1111 | F |
| 0100 | 4 |
| 0000 | 0 |
| 0001 | 1 |
| 1010 | A |
| 1011 | B |
| 0010 | 2 |
| 1111 | F |
| 1110 | E |
| 1100 | C |

**Answer: 3E:F4:01:AB:2F:EC**