

unit 1

- Fact: A ***hexadecimal number*** is a special kind of number used by people to write LONG binary numbers in a compact way.

- Fact: ***Hexadecimal*** is really nothing more than a new cipher using the following mapping.

<i>Hexadecimal</i> <i>Digit</i>		<i>Binary</i> <i>Nibble</i>
0 ₁₆	↔	0000 ₂
1 ₁₆	↔	0001 ₂
2 ₁₆	↔	0010 ₂
3 ₁₆	↔	0011 ₂
4 ₁₆	↔	0100 ₂
5 ₁₆	↔	0101 ₂
6 ₁₆	↔	0110 ₂
7 ₁₆	↔	0111 ₂
8 ₁₆	↔	1000 ₂
9 ₁₆	↔	1001 ₂
A ₁₆	↔	1010 ₂
B ₁₆	↔	1011 ₂
C ₁₆	↔	1100 ₂
D ₁₆	↔	1101 ₂
E ₁₆	↔	1110 ₂
F ₁₆	↔	1111 ₂