Take Home Review – Numeric Representation Integers

For completeness, **show your work** wherever possible.

1.	What is the maximum number of symbols that Unicode can describe? (ASCII uses 8 bits, whereas Unicode uses 16 bits.)
2.	Translate the octal value as hexadecimal. Using the hexadecimal value, convert back to decimal.
	173 ₈ = ₁₆ = ₁₀
3.	Assume the word is representing a 2's comp. value. Translate it to decimal?10
	8-bit word: 1 0 0 1 0 1 1 0
4.	Assume the word is representing an all-positive value. Is it possible to store the decimal value: 66321 ₁₀ ?

16-bit word: 0 0 0 0 1 1 1 1 0 0 1 1 1 0 0 0