Data Representation Worksheet

Text Representation

1. What is the ASCII value for the > symbol?

Decimal value for ‘>’ symbol is 62.

1. What is the ASCII value for a lower case 'r'?

Decimal value for ‘r’ is 114.

1. What letter or character does the decimal value 38 represent in ASCII?

Decimal value of 38 represents the ‘&’ character.

1. What letter or character does the decimal value 125 represent in ASCII?

Decimal value of 125 represents the ‘}’ character.

1. What is the Unicode value for the Greek letter delta ()?

In UTF-08 the decimal value for the Greek letter delta is: 52884

1. What letter or character does the hexadecimal value 1F6D2 represent in Unicode?
2. (4 pts) Choose any 3 letters or characters that can be represented using Unicode (any language or symbols). Write the Unicode hexadecimal values for the 3 symbols and a translation into the symbols below the code.

1F6D2 = Shopping trolley symbol in UTF-32BE

0042 0059 0045

B Y E

For example, if I wanted to represent the Czech word, "čáp," I would use the letters in the Latin - Extended - A, Basic Latin and Latin 1 Supplement charts to find

0107 00E1 0070

č á p