DCF255 T1 Conversion Worksheet

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Answer the following questions. The questions are typical Test 1 conversion questions. If you have difficulty answering they, get help from the Learning Centre or see you Instructor. Work out the questions manually, then check your answers with a calculator or web site.

1. What is the decimal value of the binary string 1000011101101011?
2. What is the decimal value of the binary string 1001100001110001?
3. What is the binary value of the decimal number 864?
4. What is the binary value of the decimal number 1048?
5. What is the Unicode value (hexadecimal) of the binary string 0011100010100010?
6. What is the Unicode value (hexadecimal of the binary string 1001000111110101?
7. What is the UTF-8 encoding of the Unicode value U+2CC1?
8. What is the UTF-8 encoding of the Unicode value U+03FA?
9. The metric notation 6,700,000 kbps is incorrect. What is the correct notation of this speed?
10. What is the correct metric notation of the network speed 101,000,000,000,000 bps?