

Here are some more conversions to practice of the kind you might see on an AP exam. There are no calculators allowed for the AP Computer Science A Exam, so try these without a calculator or other technology-based help.

Multiple Choice:

- 1) What would the binary number 111010 be in base 10 form?  
a. 58            b. 51            c. 37            d. 44            e. 56
- 2) What would the hexadecimal number 72 be in base 10 form?  
a. 161            b. 92            c. 22            d. 80            e. 114
- 3) What would the base ten number 139 be in hexadecimal form?  
a. 4d            b. 44            c. a6            d. 8b            e. 37
- 4) What would the base ten number 63 be in binary form?  
a. 111100    b. 100100    c. 101010    d. 111111    e. 110101
- 5) What would the base ten number 55 be in binary form?  
a. 110111    b. 101011    c. 101001    d. 101100    e. 100010
- 6) What would the hexadecimal number bc be in base 10 form?  
a. 100            b. 188            c. 74            d. 78            e. 155
- 7) What would the base ten number 106 be in hexadecimal form?  
a. 48            b. 19            c. 2e            d. 6a            e. 61
- 8) What would the binary number 110101 be in base 10 form?  
a. 52            b. 58            c. 44            d. 36            e. 53
- 9) What would the base ten number 135 be in hexadecimal form?  
a. 12            b. a8            c. 87            d. 29            e. 36
- 10) What would the base ten number 44 be in binary form?  
a. 110100    b. 111111    c. 101111    d. 100110    e. 101100

Free Response (show work):

- 1) What would the hexadecimal number cb be in base 10 form?
- 2) What would the binary number 110010 be in base 10 form?
- 3) What would the base ten number 88 be in hexadecimal form?
- 4) What would the base ten number 48 be in binary form?
- 5) What would the hexadecimal number 8a be in base 10 form?
- 6) What would the base ten number 109 be in hexadecimal form?