**Notation Worksheet**

1. Convert the following numbers into 8-bit binary numbers:

7

17

44

32

150

75

96

240

65

37

1. Convert the same numbers as listed above into hexadecimal.

**Answers**

| **Decimal** | **8-bit Binary** |
| --- | --- |
| 7 | 00000111 |
| 17 | 00010001 |
| 44 | 00101100 |
| 32 | 00100000 |
| 150 | 10010110 |
| 75 | 01001011 |
| 96 | 01100000 |
| 240 | 11110000 |
| 65 | 01000001 |
| 37 | 00100101 |

| **Decimal** | **Hexadecimal** |
| --- | --- |

|  |  |
| --- | --- |
| 7 |  = 07 |

|  |  |
| --- | --- |
| 17 |  = 11 |

|  |  |
| --- | --- |
| 44 |  = 2C |

|  |  |
| --- | --- |
| 32 |  = 20 |

|  |  |
| --- | --- |
| 150 | = 96 |

|  |  |
| --- | --- |
| 75 | = 4B |

|  |  |
| --- | --- |
| 96 | = 60 |

|  |  |
| --- | --- |
| 240 | = F0 |

|  |  |
| --- | --- |
| 65 |  = 41 |

|  |  |
| --- | --- |
| 37 |  = 25 |