**Answer to Self-Assessment problem 1**

|  | **Binary** | **Octal** | **Hexadecimal** |
| --- | --- | --- | --- |
| 122 | 1111010 | 172 | 7A |
| 87 | 1010111 | 127 | 57 |
| 33 | 100001 | 41 | 21 |
| 17 | 10001 | 21 | 11 |
| 8.5 | 1000.1 | 10.4 | 8.8 |
| 1.25 | 1.01 | 1.2 | 1.4 |
| for 1.25: | 1/2 = 0, R1        .25       × 2  0+ .50       × 2  1+ .00 | 1/8 = 0, R1       .25      ×8 2+ .00 | 1/16 = 0, R1        .25     ×16 4+ .00 |
| thus: | 1.012 | 1.28 | 1.416 |