Convert those octal numbers to Decimal:

100 – 512

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUM | FIRST | SECOND | THIRD | RESUALT |
| 100 | 0\*1=0 | 0\*8=0 | 1\*64=64 | 64 |
| 512 | 2\*1=2 | 1\*8=8 | 5\*64= | 2+8+320=330 |

Convert those Decimal numbers to octal:

100 - 512 - 256 -

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NUM | RESULT | INT | Fraction | \*8 |  |
| 64/8 | 8 | 8 | 0 | 0 | 100 |
| 8 / 8 | 1 | 1 | 0 | 0 | 100 |
| 1/8 |  |  |  | 1 | 100 |
|  |  |  |  |  |  |
| 330 | 41.25 | 41 | .25 | .25\*8=2 | 512 |
| 41/8 | 5.125 | 5 | .125 | .125\*8=1 | 512 |
| 5 |  |  |  | =5 | 512 |

Convert those octal numbers to binary:

100 - 512

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUM | FIRST | SECOND | THIRD | RESUALT |
| 100 | 000 | 000 | 001 | 001000000 |
| 512 | 010 | 001 | 101 | 101001010 |

Convert those binary numbers to octal:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| الرقم |  |  |  |  |
| 01000000 | 01 | 000 | 000 | 64 |
| 000101001010 | 101 | 001 | 010 |  |