Twana Nareman Qadr GA-2 IT-1st

(FFA21)16 (1111 1111 1010 0010 0001)2

(101 011 110)2 (536)8 (0001 0101 1110)2 (15E)16

|  |  |  |  |
| --- | --- | --- | --- |
| Integer quotient |  | Remainder | Coefficient |
| 96/2 = 48 | + | 0 | A0=0 |
| 48/2 = 24 | + | 0 | A1=0 |
| 24/2 = 12 | + | 0 | A2=0 |
| 12/2 = 6 | + | 0 | A3=0 |
| 6/2 = 3 | + | ½ | A4=1 |
| 3/2 = 1 | + | ½ | A5=1 |

Answer: (96)10 = (A5A4A3A2A1A0)2 =(0110 0000)2

|  |  |  |  |
| --- | --- | --- | --- |
| Integer quotient |  | Remainder | Coefficient |
| 33/2 = 16 | + | ½ | A0=1 |
| 16/2 = 8 | + | 0 | A1=0 |
| 8/2 = 4 | + | 0 | A2=0 |
| 4/2 = 2 | + | 0 | A3=0 |
| 2/2 =1 | + | 0 | A4=0 |
| 3/2 = 1 | + | ½ | A5=1 |

Answer: (33)10 = (A5A4A3A2A1A0)2 =(0010 0001)2

(0101 0100.0101)2 (54,5)16