

Bonus point assignment – week 1

Student number: 567460

$567460 / 16 = 35466$ (0.25 remainder * 16) = 4
 $35466 / 16 = 2216$ (0.625 remainder * 16) = 10 (A)
 $2216 / 16 = 138$ (0.5 remainder * 16) = 8
 $138 / 16 = 8$ (0.625 remainder * 16) = 10 (A)
 $8 / 16 = 0$ (0.5 remainder * 16) = 8

Hex value = #8A8A4

$56746/2 = 283730$ (remainder 0)
 $283730/2 = 141865$ (remainder 0)
 $141865/2 = 70932$ (remainder 1)
 $70932/2 = 35466$ (remainder 0)
 $35466/2 = 17733$ (remainder 0)
 $17733/2 = 8866$ (remainder 1)
 $8866/2 = 4433$ (remainder 0)
 $4433/2 = 2216$ (remainder 1)
 $2216 / 2 = 1108$ (remainder 0)
 $1108/2 = 554$ (remainder 0)
 $554/2 = 227$ (remainder 0)
 $227/2 = 138$ (remainder 1)
 $138/2 = 69$ (remainder 0)
 $69/2 = 34$ (remainder 1)
 $34/2 = 17$ (remainder 0)
 $17/2 = 8$ (remainder 1)
 $8/2 = 4$ (remainder 0)
 $4/2 = 2$ (remainder 0)
 $2/2 = 1$ (remainder 0)
 $1/2 = 0$ (remainder 1)

Binary Value = 10001010100010100100