1. The ADC is a 12-bit ADC. Therefore, it has 7'2-4,096 bins.
It the reterence votages provided are +Vp=+SV k-Vp=+IV, the ADC
is being used in 5: polar made, and he voltage bin resolution is
NV /2'2 = VIV/2'2 = 0.98 mV per bin.

13.13. What is 59318Gr reg. for bound=9600, asynchronous, Fosc=16MHz, 7x5TA. BRGH: s cleared?

BRAH = 0 = low speed asource Assume default &- bit mode.

For 8-5:7, 9600 = Fosc /[64(1-+17]

-> n=[Fosc /9600]/64)-1= 25,0417

5PBRG = 25.

13.14 Calculate error in 13.14.

Bard= 16 MH= [[64(n+1)] = 9615.38 bard

Enor= (9615.38-9600) /9600 = 0.16% enor

13.15. 13.13, but some BRG16-9. 13.14.

For 16-15:7, 9600 = Fosc/[16(n+1)]

-> ~= ([Fosc /9600]/16)-1 = 103.167

JPBRG= 103

Band = 16MHz/[16(10541)] = 9615.38 band

Error = (9615.38-9604)/9600= 0.16% error