- 1. 47:2=23 rest 1
 - 23:2=11 rest 1
 - 11:2=5 rest 1
 - 5:2=2 rest 1
 - 2:2=1 rest 0
 - 1:2=0 rest 1
 - □ 47(10) = 101111(2)
- 2. 27:2=13 rest 1
 - 13:2=6 rest 1
 - 6:2=3 rest 0
 - 3:2=1 rest 1
 - 1:2=0 rest 1
 - \Rightarrow 27₍₁₀₎ =00011011₍₂₎
 - \Rightarrow -27₍₁₀₎ =10011011₍₂₎
- 3. 3*16^0 + 1*16^1 + 2*16^2= 3+16+2*256=531
 - **⇒** 213₍₁₆₎ =531₍₁₀₎
- 4. $1*2^4 + 0*2^3 + 1*2^2 + 1*2^1 + 0*2^0 + 1*2^-1 + 0*2^-2 + 1*2^-3 = 16 + 4 + 2 + 0.5 + 0.125 = 22.625$
 - ⇒ 10110.101₍₂₎ =22,625₍₁₀₎
- 5. 34:4 = 8 rest **2**

- ⇒ 34.625(10)=202.22(4)
- 6. $1*2^0 + 1*2^1 + 0*2^2 + 1*2^3 + 1*2^4 + 0*2^5 = 27$
 - □ 011011(2)=27(10)
- 7. -27 exces 32 pe 6 biti
 - 32 27 = 5
 - □ 000101(2)=-27(10)
- 8. $(0001)(1011) = 1B_{(16)}$

9.

$$2*3^{-1} + 0*3^{-2} + 1*3^{-3} = 2/3 + 1/27 = 0.(703)$$

$$0.201_{(3)} = 0.(703)_{(10)}$$