

Objectives - Fri 1/17/2020

- Number representations
 - 264 (base 10)
 - 0x108 (base 16, C notation)
 - 0410 (base 8, C notation)
- Number base conversion (right-to-left)

☞ Ask questions not Piazza (not by email).

Use email only for confidential matters that you don't want even the TAs to see.

☞ Bring your reference sheet to every class.

✓
Use these in code

'0' == 48

'1' == 49

'2' == 50

...

'9' == 57

✗
Not these

(code quality)

character
literals

one hundred eleven
write in base 6

$$111 \div 6 = 18 \text{ R } 3$$

$$18 \div 6 = 3 \text{ R } 0$$

$$3 \div 6 = 0 \text{ R } 3$$

$$0 \div 6 = 0 \text{ R } 0$$

$$0 \div 6 = 0 \text{ R } 0$$

Right most
least sig

Most sig

→ $\overset{36}{3} \overset{6}{0} \overset{1}{3}_6$