1.28 says we have an algorithm to replace any number
modulo n with a number between 0 and a-1:
Use the division alg. to divide a by n. Then a it
cong. to its remainder.

$$Ex: 237 = \frac{6}{7} \pmod{7}$$

237 = $\frac{6}{7} \pmod{7}$
237 = $\frac{6}{7} (\mod{7})$
237 = $\frac{6}{7} (\mod{7})$
237 = $\frac{6}{7} (\mod{7})$
237 = $\frac{6}{7} (\mod{7})$
56,169 = $\frac{6^2}{7} \pmod{7}$
= 36 (mod 7)
= 1 (mod 7)

= 2.11

Next HW: 1.31 - 1.35

New Presentation sign-up