

# Homework N24

N2.  $27 \cdot 37 = 999$

N4.  $12 \cdot 2 \cdot (3 \cdot 2) = 144 \cdot 72$

N7.  $26 \cdot 26 \cdot 26 = 17576$

N10.  $2^8 = 256$

N12.  $2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 = 126$

N18a.  $4 \times 4 \times 4 \times 4 \times 1 = 4^4 = 256$

N21a, b, c

a) Smallest 56 (7.8) and biggest 98 (7.14).  $14 - 8 = 6$   
 $= 8$ . They are: 56, 63, 70, 77, 84, 91, 98

b) Smallest 55 (11.5) and biggest 99 (11.9)  $9 - 5 + 1 = 5$   
 They are: 55, 66, 77, 88, 99

c)  $\text{Lcm}(11, 7) = 77$ , just 1 integer

N28.  $10 \times 10 \times 10 + 26 \times 26 \times 26 = 17576000 \times 2$

N1.

Classes = 6

Day = 5

> Classes > Days. (PHP)

N3a.

$N = k(r-1) + 1 \Rightarrow 2(2-1) + 1 = 2 + 1 = 3$