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13：

3、5、7

21：

a): 2

b): 4

c): 12

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9：

Because gcd(4,9) = 1; 9 = 4 \* 2 +1; so -2 \* 4 + 9 = 1;

Hence, -2 is an inverse of 4 modulo 9;

-2 \* 4x ≡ -2 \* 5 (mod 9), Because -8 ≡ 1(mod 9) and -10 ≡ 8(mod 9), then x ≡ -10 ≡ 8(mod 9)

So x = 8.

21:

Let m = 2\*3\*5\*11 = 330, M1 = m/2 = 165, M2 = m/3 = 110, M3 = m/5 = 66, M4 = m/11 =30;

x = 1\*165\*1 + 2\*110\*1 + 3\*66\*1 + 4\*30\*7 ≡ 323(mod 330)

so the answer is 323+330k, k is a integer