Dom 26 April 2023 iass librek Mumber Theory ? Coprumi > god = 1

Jed (3,5) = 1

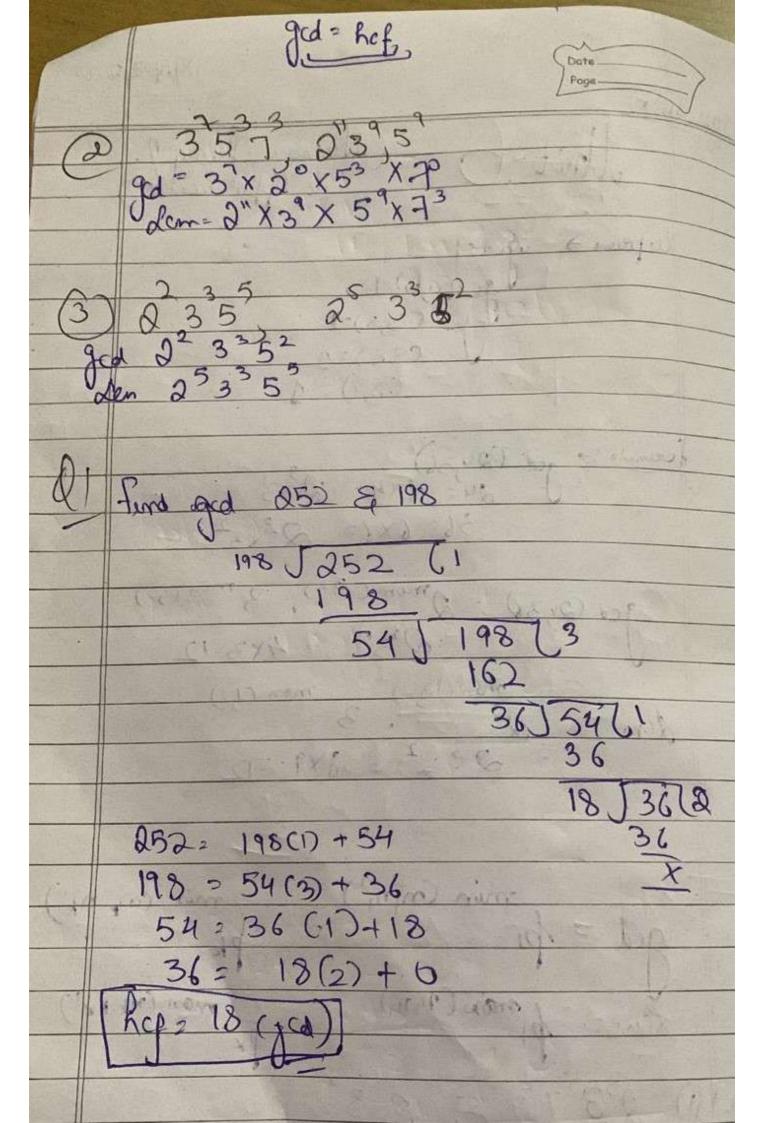
(3,8) = 1

(3,8) = 1 Formula 1- jed (24,36) 24= 6×4= 2×3

36= 6×6= 22×32 gcd (24,30 = 2min (32), 3min (32)

331 = 4x3=12 gcd = p1 (n,n,) man (nk nk)

Scm = p1 man (n,n,) 1) 233572 E 2433 9cd- 23x3x170 = -

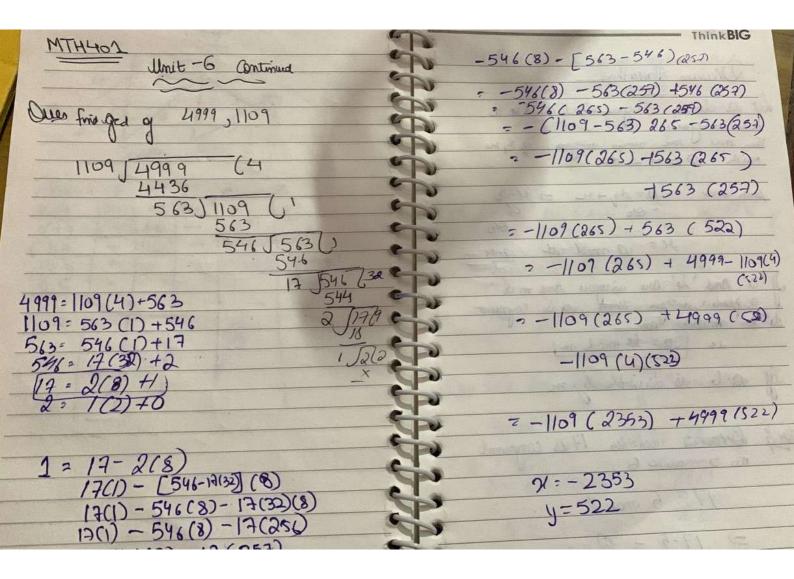


21,55 55 CR 22 55=21(2)+13 43 414, 662 248 414 218 862= 414 CD+248 82516672 414 = 248CD+ 166 248=16((1)+82 25 82 (41 161 = 82 (27 +2

23/29 **kBIG** god (d) of a, b, con le muiten as d= gca (a, b) a & le ie do Oxtly (662,414)>2 66-89(5) 166-(248-166(11)(2) 166(3) + 248(2) = (414-248(1))(3) +-248(2 414(3)-248(5) 2414(3)-(662-414(1))5 = 662(-5) +414(8) = 662(-5) +414(8) = 6627+4144 => (76)-554=8

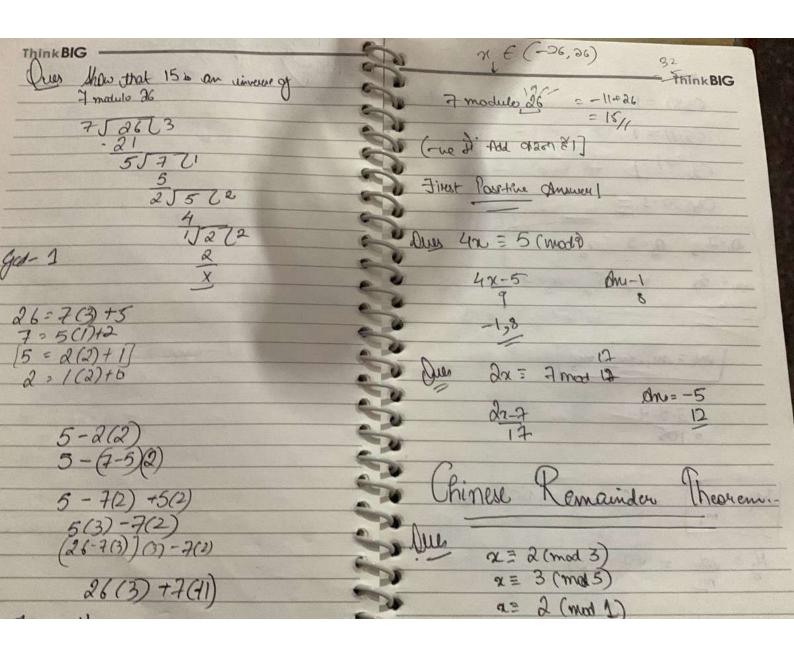
Du 21,55 Jed (1,55) - 1 1=3-2(1) = 3- (5-3(1)) = 8-5(1) - (5(1))+3(1) = (8-5(2) +3(1) - 8-(3-8)(2)+3(1) = 8-13(2)+8(2)+3(1) = 8(3)-13(2)+3(1) 81(3)-13(3)-13(2) +3(1) 21(3)-13(6) +3(1) · 21 (3) -(55-21(2)) (5) +3(1) 2 97(5) 21(3) -55(5) +21(10)+3(1) - 21(13) -55(5)+3 (() A A A A ner. 1248 323; MILL 120108-131 6 49 1.75-61 260 4961

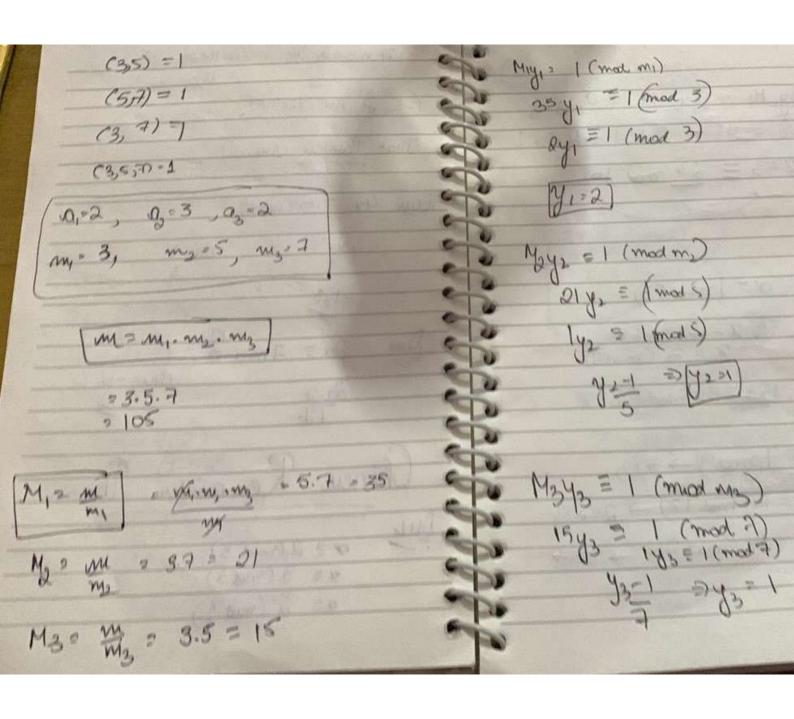
= 124(2)+75 75(1) + 49 49 = 26 CD +23. 26-649-201

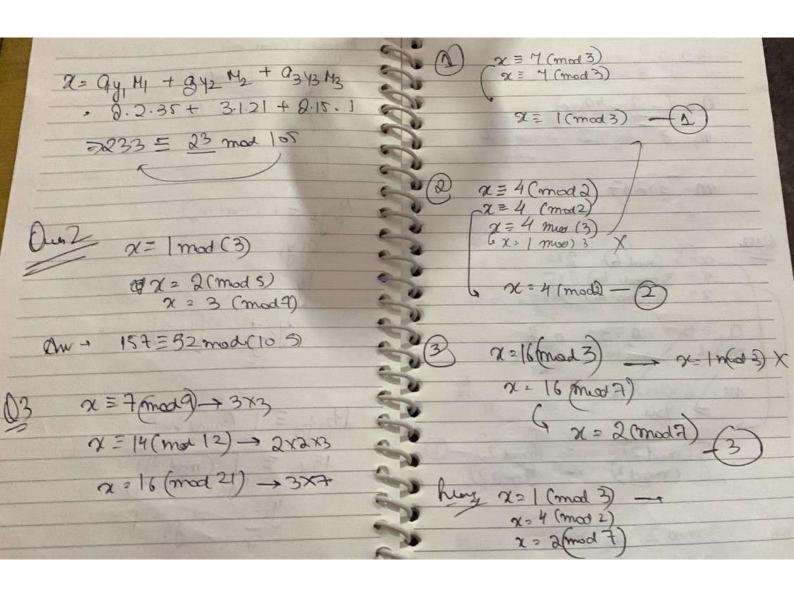


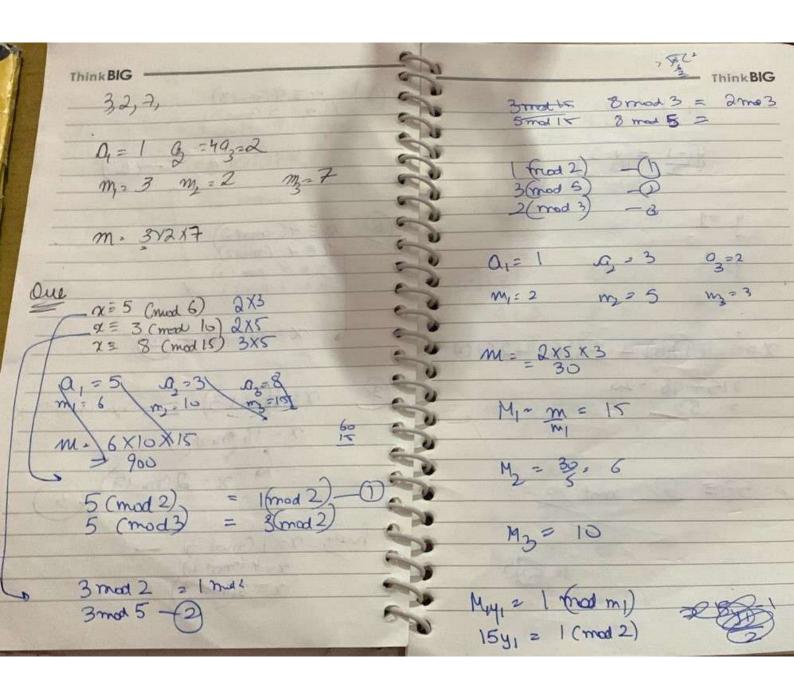
\$ 24 8 14 are conjune modulo to 6 Division Algorithm 6 - 24m86 Let a be an integer and 'I be a 24 - 14 mod 6 Then store come unique uniques Auith 0 < 90 < 20 10= dq+20 => 11-a Such Strat # Let m be a tre vinteger . If a = b mobile on & C = of mode in H= a med of a-x ata = (btd) mod m I (a' And 'b' Dru unitgoes dont m'is a positive unteger them sa is conprised to be modules on bd mad m (2) AC se pa= le mad m) 3 modulo 7 if a-b is devisible by m by find som universe of 3mod 7 Determine whether 17 is congruent 7 = 3(1) +1 to 5 modulo 6 3= 000 113746 17= 5 mod 6 1 = 7-3(2) => 17-5 = 12-2 yes =7+3(-2) Am =>-2

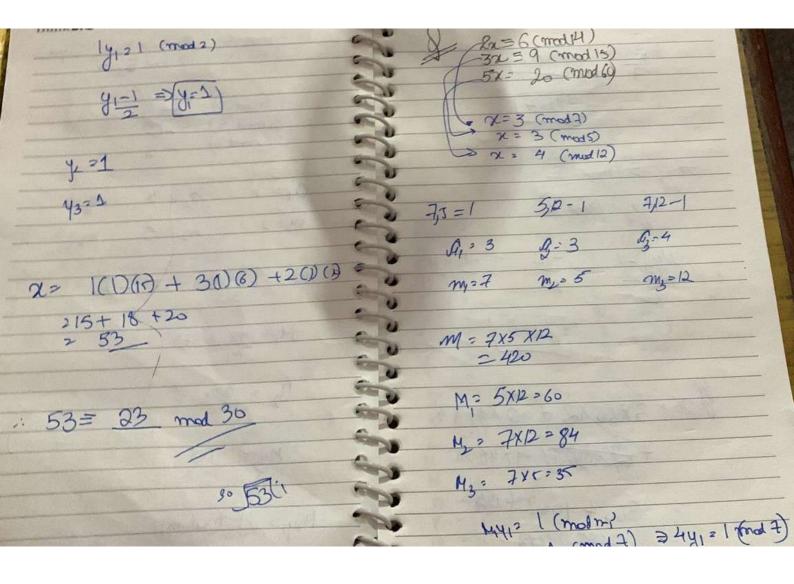
Find an inverse of 4 mod 9 9=4(2)+1 4=1(4)+0 9-4(2) -> 9+4(-2) Inverse of 12 2(8) +1 1= 12+2(-8) 9 med 141

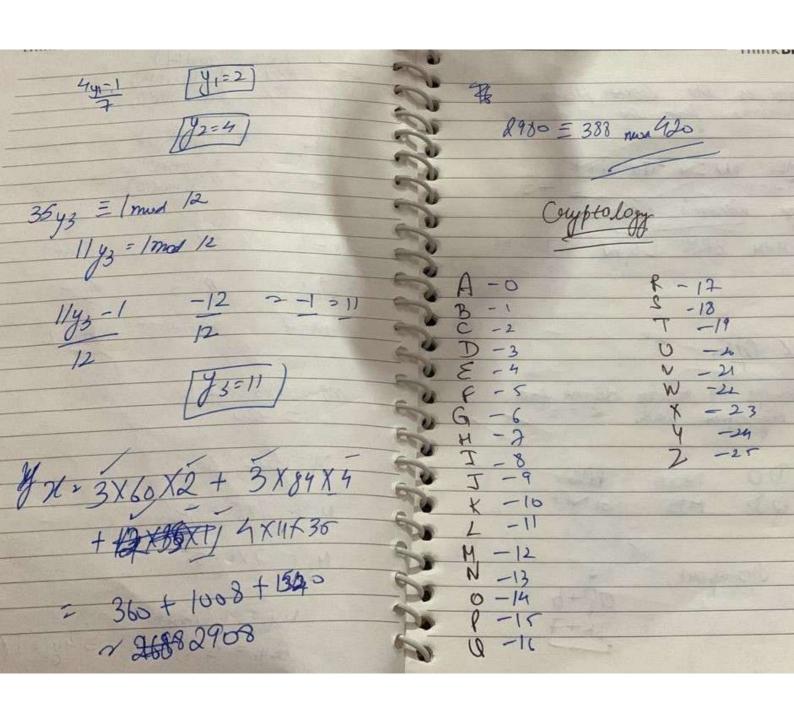












What is the Sevent Menere menage NMEET YOU IN THE PARK'
12+3= 8

Whing Cacson's appear. PHHW BRX LQW SDUN 2) Shift Cipher - +x Main ship cupies whom K = 13 pass PASS Not GNFF QB AB 3 Offine Gransport ap+b 3K+7