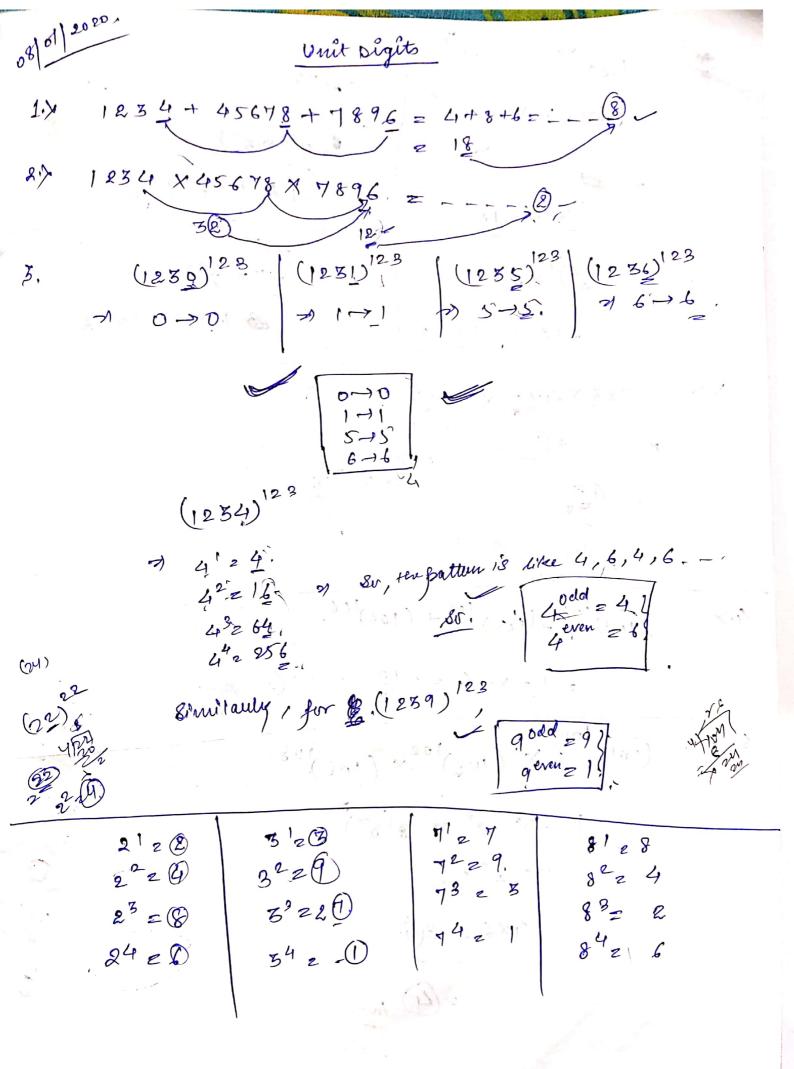
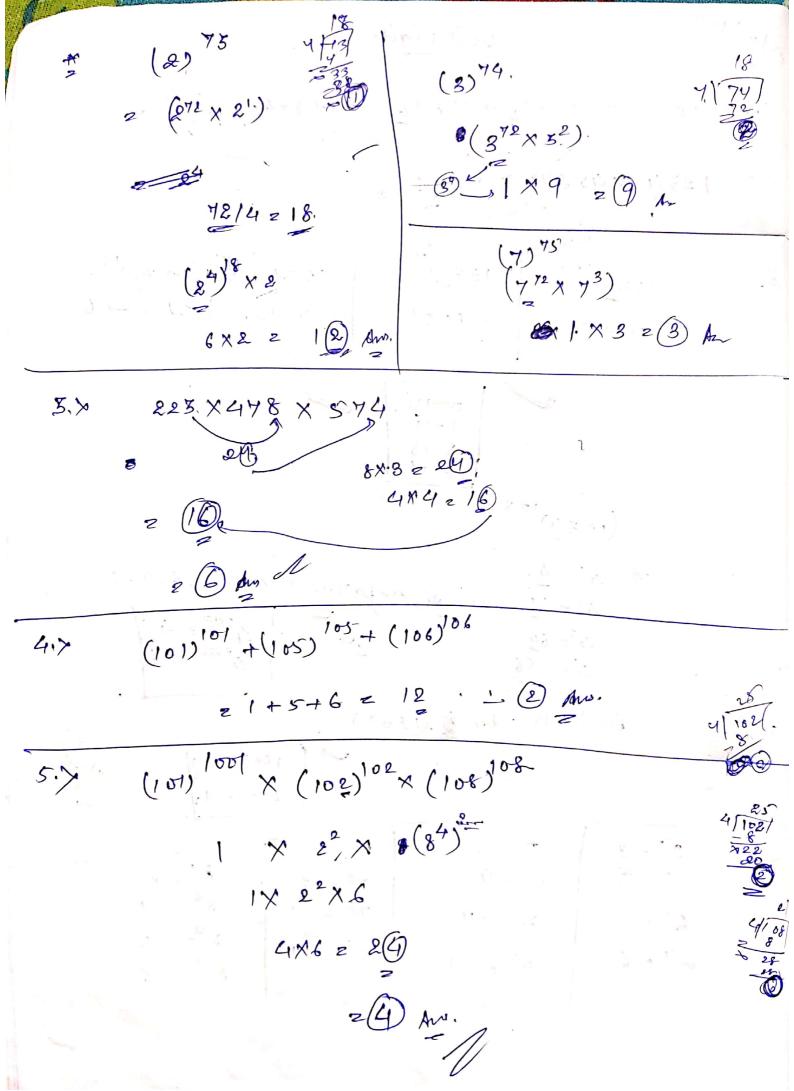
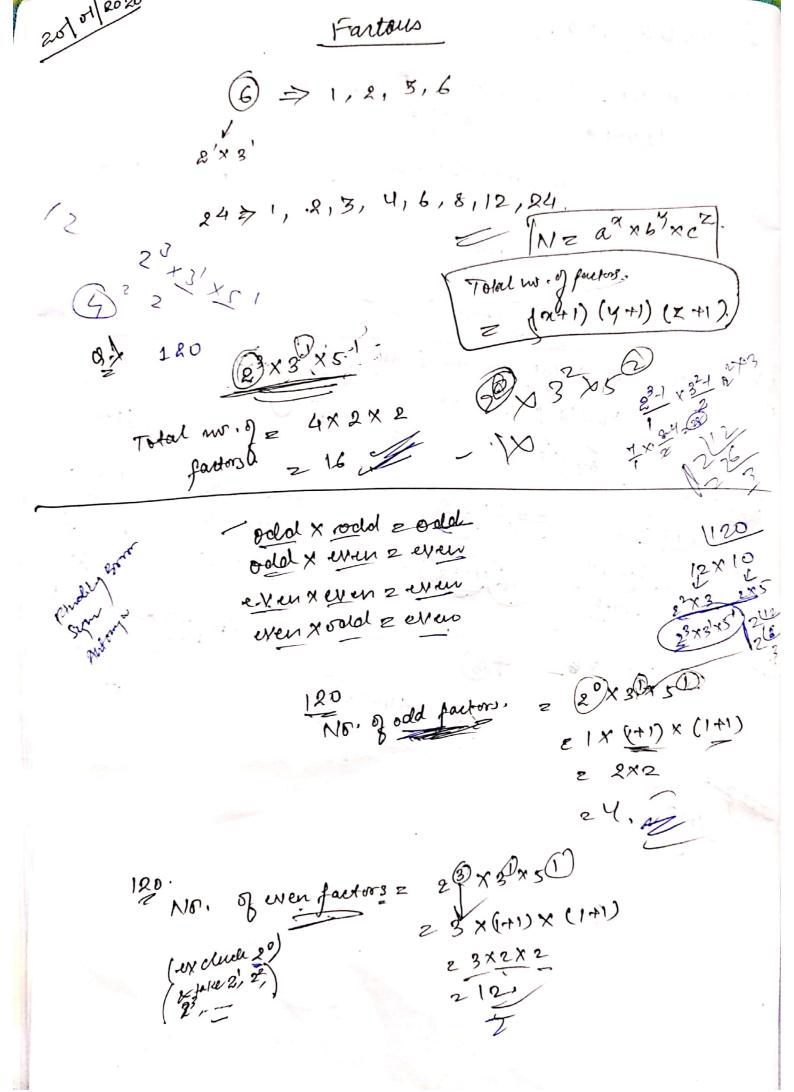
Divisibility test; * 2 -> unit digito (0,8,4,6,8) 5 -> sum og digits/3 4 -> last two digits -00 con divisible by 4. -> unit ollgit (0,5) -> no. swould verify for (2,5), ey o 1 1x222 240-2 2238 228 divisible 25-1627 chivisible by 7 8 -> lant two oligits un (vo) alvoleible by 8. 9 -> sum of digits/9, 10 - unit 0. 11 -> 3124 242 z 5 14425 12 -> (4,3) follow. 99 -> 9×11 (9,11) 20 m 13 - A+4B - divisible by 287, 15 1 Disiste by 385. coust 4 oligits' allu. 5416

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To throl highest power of purme p in u! Councila 2 (n) + (n) + (n) + (n) +. rughest power of 2 m 519 5125×4×3×2 25×3×20 1. (3) Aug. Highest power of 2 in 100! N2 100 (100)+ (100)+(100)+(100)+(100)+(100)+(100) Z 50+25+12+6+3+1 2 (9 7) Aus. 2 97 in 160 ! 3 m100! 100 + 100 + 100 + 100 33+11+3+1 z(48) = 100 + 100 + 100) 2 = 1 2 16+2

08/08/2020

$$11^{2} = 121$$
.
 $12^{2} = 144$
 $15^{2} = 169$

Remainder Through Q.1. Find the numainden when 1801 × 1803, is divided QRIX Find the memainder volum 1691×1692×1894 Lo divided by 13? -> (8) 951 x Final the remainder when 181 x 182 x 183 x 185 is divided by 1819 - (12) 64. Find the remarder when 1603 × 1604 × 1605 is divided by 16? -95% Find the remainder when 1398× elivided by 7? - (2) = 96. & Gird the elemonater when \$598× 359 oll wided by 18? -6#18 97.) Find the rumalidur when 232 is dévided by 159 23715 z (24)8 z (16)8 z (1)8 z (1)8 z (1) 981/2 Find the remainder when 256 is divided $\frac{(25)^{21} \times 2}{31} = \frac{(32)^{11} \times 2}{31} = \frac{(32)^{11} \times 2}{31} = \frac{(32)^{11} \times 2}{31} = \frac{(25)^{11} \times 2}{31}$ 99. So Findthe nemainder when 272 is divided by 6,39 210/2 Find the rumainder when 275 + 639 Q11 of Ernal the rumainder when 2468 + 179 19 181 Find the umaindle when 269 + 179 (F) (-1) 32 = 3 Q15,6 Rind the memaholer when 11 +21 +31+41+... divioled by 14,9 Alider When E1 2 H

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remainden when 11+21+31+4+51+-+2000 - 8 º 100 = 0 = 1×1=0 1 2 2×3 = 63 / 1/3 / (WEXYS) Z 3×4 = 12 Z 3 4 2/4 (F) (23) = (21× 62) = -2× (2) 43×44×45 = -3×-2×-1 = -6 +4 ald the ms. by which we are dividing. -6+83 = 17.

Percentage: ~

(250) Let the population of town be P now & Suppose

it invulases at the rote of rol, per annum, then

is population after n years = P (1+ 3).

(vi) population after n years ago = 12 (17 100)

O let the present value of the machine be 12 and if it is obspeciates at the rate of ry, per annum, there is value of the machines after in years

ii, value of the machines after n years

('i') value of the moulines u years agos

= P

(1- 1/0)