2) Mathematics:

is Trailing Zero's in a factorial:

```
Logic
function trailing Zero (n)
                                Toailing Rew's caused by 5
                                 i.e; 30!
   let res = 0
                                 1...5...10...15...20...25...30
for ( let is 5; ic=n; i=its)
                                  $ 5x1 5x3 5x4 5x5 5x6
                                .. There are 7 trailing zero's
        res = rest n
                                  in 30.
                                  i=5; 30 ,6
                                  Relo's = 0 + n + n + n + n + ...
                                  i=15; 6+30 → 7
    retuer n
```

ii) Palindrome Number:

function pal Number (n) let ses = 0, tent = n; while (tenf != 0)

let cast Digit = temp % 10; us = (ses ** 10) + last Digit; tersh = ~~ (tenh 10) ; setuen semp;

(n) (sw)

 $125 \rightarrow 521$

To find last digit of n

we write last Digit = n°/0 10 → S

n = Math floor (n/10) -12

rw = 0 * 10 + last Digit

 $[n = n/0 \rightarrow int]$ [temp = temp + 10 + last Digit]