Saturday, 16 January 2021

Functions in o level pseudocode $\chi = 3.94$ y = INT(x) = 3Uses of INT() Function: 1, Finding if entered number is a whole number of real number. INPUT X Y-INT(X) IF X= Y Then OUTPUT "Whole" OUTPUT "Real" ELSE ENDIF 2, Digit Extraction Means: x = 12489 $y = INT(\frac{x}{1800}) = INT(\frac{12489}{1800}) = 12489$ (n. 826354) Cell + /311/222 925 =) INT (82-6354) MT (3111222925 1NT (-1000000) → 82 ·/ = INT(3111.222925) 7 = INT (a) = 3111 Consider +wo (2) things? (Always given) 1 - Length of rundwij i.e How many digits are there in ontered misa. 2- Howmany digits are required to be extracted and find the divisor accordingly. Exhalt. $\chi = 1 \times 7 \left(\frac{99999}{10000} \right)$ Extract $x = INT \left(\frac{99999}{1000} \right)$ D17() DIVISIONS? MOD() L'ample Scenario? pencils(2)= 392 43 DIY penuis per box(B) = 9 How may left oxer (1)? S-MOD. F = P DIY B L=PMODB

1 16/3 = 5.3333 Absolute 16 DN3 = 5 DN(18,3) 16 MOD 3 = 1 MOD (16,3) How many full boxes (F)? 392 DIY 9 = 43 392 MOD9 = 5

> Howmeny mbu are exen. Count to, Numero, XtO, Exo, Odd to. For Count = 1 To 150 INPUT NUM X + NUM MOD 2

- OUTPUT How many motors are odd and

IF X=0 THEN EXET IF X=1 THBM Odd = Odd+1 Next OUTPUT E, Odd

Example Question:

LOG10():

- INPUT 150 humbers

LOG(1000)+1=3 LOGG (10000) 124 10 x 10 x 10 x 10

INPUT NUM

Purpose ??? Is to find HOW many digits are there in the entered number

INT (LOG (1250))+= 3

24 INT (LOG(Num)) +1

L06(1250) = 3.0969

3000

NUM 10000 500