Functions in o level pseudocode Saturday, 16 January 2021 $\chi = 3.94$ 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 x = 12489 $y = INT(\frac{x}{1000}) = INT(\frac{12489}{1000}) = 12489$ Cell + /311/222 925 MT (3111222925 1NT (-1000000) = INT(3111.222925) = 3111 Consider two (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. $\chi = 1NT(\frac{99999}{10000})$ Extract $x = INT \left(\frac{99999}{1000} \right)$ D17() DIVISIONS? MOD() L'ample Scenario?

16/3 = 5.3333 Absolute 16/3 = 5.3333 Absolute 16 DN3 = 5 DN(18,3) 16 MOD 3 = 1 MOD (16,3) pencils(2)= 392 penuis per Dox(B) = 9 How many full boxes (F)? How may left oxer (L)? S-MOD. 392 DIY 9 = 43

F = P DIY B

1 = P MOD B

Howmeny mbu are exen.

Example Question: - INPUT 150 humbers . OUTPUT How many motors are odd and

392 MOD9 = 5

Count to, Numero, XtO, Eto, Oddto. For Count = 1 To 150 INPUT NUM

X + NUM MOD 2 IF X=0 THEN EXET IF X=1 THBM Odd = Odd+1

OUTPUT E, Odd LOG10():

Next

LOG(1000)+1=3 LOGG (10000) 124 10 x 10 x 10 x 10 L06(1250) = 3.0969 INT (LOG (1250))+= 3

INPUT NUM

26 /NT(LOG(Num)) +1

There in the entered number

Purpose ???

Is to find HOW

many digits are

NUM 10000 500 3000