Check Digit.

Saturday, 7 August 2021 Original Number 352638 Types 7 crross
While entering data
352638 Digit skip Transmission Comp. Checksum 3539738 1 Change digit Human to Check Degit. Compr 3592638 (Transposition) 1. Finding check digit √2. Crecking check digit. (Validation). * We will find check digit vsing "mocholo me thod -Original Number: 4241508 no-check digit Digits 4 2 4 1 5 0 8 ? Positions 1 2 3 4 5 6 7 4+4+12+4+25+0+36

> ゆら 21/105 Check algit. 42415086

Sideline (1)-MOD()

- # 15/2= 7.5 Abyolute Dix.
- · 150112 = 7 DIY (15,2) = 7 Integer Quotient
- 15 MOD 2 = 1 MOD (15,2)=1 Remainder.
- Remainders in "Modulo 11" will be from 0 - 10 0-9 takes 1 space 10 takes 2 spaces.
- Two spaces folding remainder can't be used as we trave only one space position available for the check digit
- . We use roman 10 (X) instadd of denary 10.

Check digit validation (Checking an entered number)?

Number entered = 3240045K) ignore lie checkdigit 3 + 4 + 12 + 0 + 0 + 24+ 35 =78

and find your own.

Then check both; if They are same then entered number is correct otherwise incorrect.

3240045x is entered Proconnectly.

Another method for the check digit validation

(1) Check digit is 1

0+2+6+6=14 Same. Correctly entered. O (Valld)

- 1. Multiply 1st and 3º digit by 3
- 2. Multiply 2 and 472 digit by 2
 - 3. Sum four totals.
- 4. Divide la found Sum by 20
- 5. Remainder is theck