

## Freight bill numbering

## Check digit calculations

Base number = middle six digits

- Divide base number by 11
- If the remainder is zero the check digit is zero
- Subtract the remainder from 11 to produce the check digit
- Substitute the letter X for the check digit 10

## Examples

- Freight bill number: 100-340397-9
  - 340397 divided by 11 = quotient is 30945.18 Drop the .18 and then multiply the 30945 by 11 = product is 340395. Subtract that product from the original base number and 2 is the remainder. i.e. 340397 - 340395 = 2
  - 11 2 = check digit is 9
- Freight bill number: 828-561881 X
- 561881 divided by 11 = quotient is 51080.09 Drop the .09 and then multiply the 51080 by 11 = product is 561880. Subtract that product from the original base number and 1 is the remainder. i.e. 561881-561880 = 1
- 11 1 = check digit is 10
- Must substitute X for 10
- Freight bill number: 111-003542-0
- 003542 divided by 11 = quotient is 322 exactly so the remainder is 0
- Since the remainder is 0, the check digit is 0
- Excel Example: Enter the 6 digit Pro Base into cell A1 in excel then in cell B1 copy and paste the following formula and it equal the check digit.
  =IF(11-MOD(A1,11)=11,0,IF(11-MOD(A1,11)=10,"X",11-MOD(A1,11)))

## Digit Calculation

999 - 999999 - X

1

2



PRO Prefix Base no. Check Digit

PRO Prefix

- Always 3 Digits

- Always constant for a particular block of PRO

number.

Base number

- Always 6 Digits

- increments by 1

Check Digit

- Valid values are

0-9 and x