



MOD 10 Algorithm TIP 5114

MOD 10 Check Digit Algorithm

622109020012345
121212121212121

Double All Odds and Add Integers

$6 \times 2 = 12$ ($1+2=3$) = 3

$2 \times 2 = 4 = 4$

$0 \times 2 = 0 = 0$

$0 \times 2 = 0 = 0$

$0 \times 2 = 0 = 0$

$1 \times 2 = 2 = 2$

$3 \times 2 = 6 = 6$

$5 \times 2 = 10 = 1$

16

+

Add all Evens

2

1

9

2

0

2

4

20

= 36

Subtract from next highest multiple of 10 to determine check digit.

40-36=4