

Must have 16 digits

4012888888881881

4	0	1	2	8	8	8	8	8	8	8	8	1	8	8	1
x2		x2		x2		x2		x2		x2		x2		x2	
8		2		16		16		16		16		2		16	
8		2		7		7		7		7		2		7	
	0		2		8		8		8		8		8		1
8+0+2+2+7+8+7+8+7+8+7+8+2+8+7+1															
= 90															

This sum must be multiple of 10

ZERO MARKS GUARANTEED IF YOU USE STL string or char a[16]

YOUR OUTPUT MUST LOOK LIKE THIS.  
do not worry about spaces, but easy to read

CARD NUMBER =	378282246310005	Num digits =	15	Sum =	60	Invalid
CARD NUMBER =	371449635398431	Num digits =	15	Sum =	80	Invalid
CARD NUMBER =	378734493671000	Num digits =	15	Sum =	60	Invalid
CARD NUMBER =	5610591081018250	Num digits =	16	Sum =	40	Valid
CARD NUMBER =	30569309025904	Num digits =	14	Sum =	50	Invalid
CARD NUMBER =	38520000023237	Num digits =	14	Sum =	40	Invalid
CARD NUMBER =	6011111111111117	Num digits =	16	Sum =	30	Valid
CARD NUMBER =	6011000990139424	Num digits =	16	Sum =	50	Valid
CARD NUMBER =	3530111333300000	Num digits =	16	Sum =	40	Valid
CARD NUMBER =	5105105105105100	Num digits =	16	Sum =	20	Valid
CARD NUMBER =	4111111111111111	Num digits =	16	Sum =	30	Valid
CARD NUMBER =	4012888888881881	Num digits =	16	Sum =	90	Valid
CARD NUMBER =	42222222222222	Num digits =	13	Sum =	40	Invalid
CARD NUMBER =	4012888888881880	Num digits =	16	Sum =	89	Invalid
CARD NUMBER =	1234567890123456	Num digits =	16	Sum =	64	Invalid