

1. Using assembly language on the 6502 fill every third location from \$200 to \$2FF starting with the first one with decimal value of 15.

```
LDX #$00
loop:
LDA #15
STA $200,X
INX
TXA
CMP #$0
BEQ end
INX
INX
JMP loop
end:
```

2. [I2_M, 2 points] Modify previous example to include memory from \$300 to \$3FF but first location should be blank.

```
LDX #$00
LDY #$03
loop:
LDA #15
STA $200,X
STA $300,Y
INX
INY
TXA
TYA
CMP #$0
BEQ end
INX
INX
INY
INY
JMP loop
end:
```