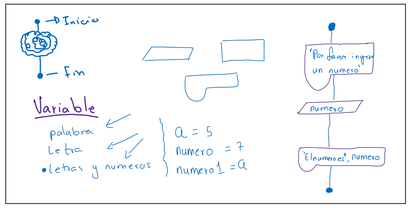
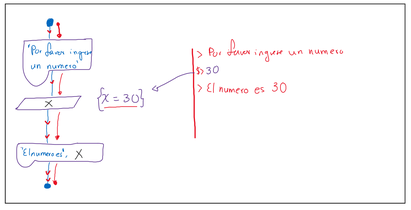
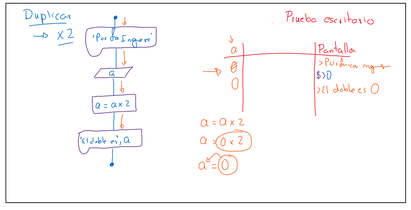
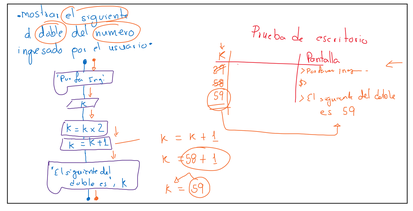
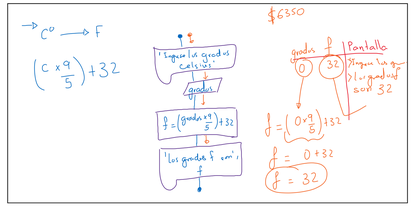
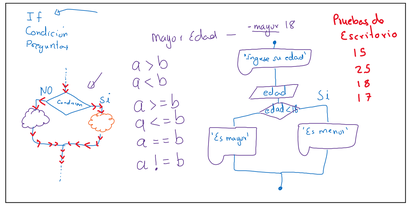

Inicio
Fin
Variable
palabra
letra
letras y numeros
a = 5
numero = 7
numero1 = a
'Por favor ingrese un numero'
numero
'El numero es', numero

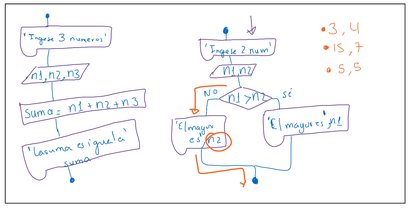

'Por favor ingrese un numero'
X
{X = 30}
'El numero es', X
> Por favor ingrese un numero
$>30
> El numero es 30

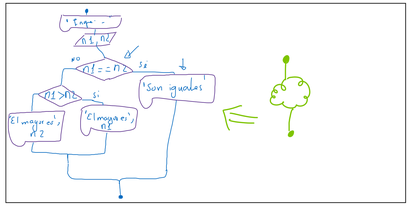

Duplica
→ X2
'Por favor ingrese'
a
a = a x 2
'El doble es', a
Prueba escritorio
a
0
0
Pantalla
> Por favor ingrese
$>0
> El doble es 0
a = a x 2
a = 0 x 2
a = 0

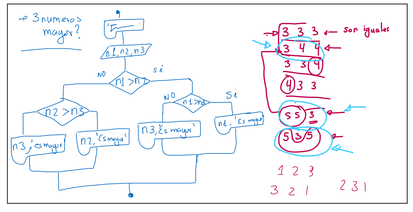

mostrar el siguiente d (doble) del numero ingresado por el usuario
'Por favor ingrese'
k
k = k x 2
k = k + 1
'El siguiente del doble es', k
Prueba de escritorio
k
58
59
Pantalla
> Por favor ingrese
$>
> El siguiente del doble es 59
k = k + 1
k = 58 + 1
k = 59

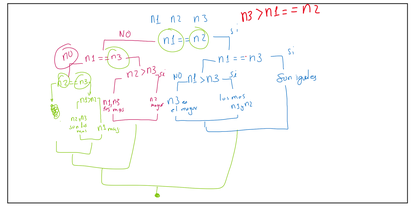

→ C° → F
(C x 9/5) + 32
'Ingrese los grados celsius'
grados
f = (grados x 9/5) + 32
f
'Los grados f son', f
$6350
grados f
0 32
Pantalla
> Ingrese los grados celsius
> Los grados f son 32
f = (0 x 9/5) + 32
f = 0 + 32
f = 32

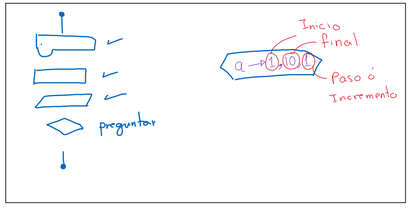

If
Condicion
Preguntas
NO
Condicion
Si
a > b
a < b
a >= b
a <= b
a == b
a != b
mayor edad
- mayor 18
'Ingrese su edad'
edad
edad < 18
Si
'Es mayor'
'Es menor'
Pruebas de Escritorio
15
25
18
17

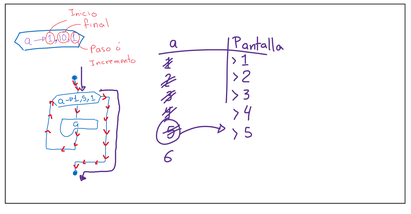

'Ingrese 3 numeros'
n1, n2, n3
Suma = n1 + n2 + n3
'La suma es igual a', suma
'Ingrese 2 num'
n1, n2
n1 > n2
NO
Si
'El mayor es', n2
'El mayor es', n1
• 3, 4
• 15, 7
• 5, 5

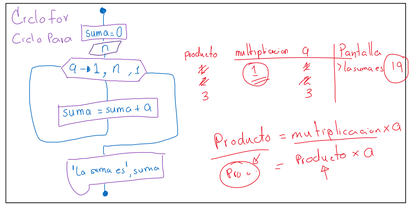

'Ingr...'
n1, n2
n1 == n2
NO
Si
n1 > n2
NO
Si
'El mayor es', n2
'El mayor es', n1
'Son iguales'

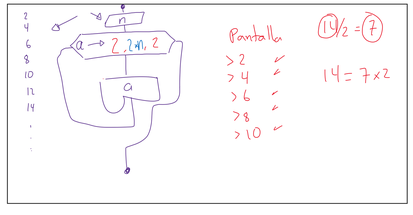

→ 3 numeros mayor?
'Ingrese'
n1, n2, n3
n1 > n2
NO
Si
n2 > n3
NO
Si
n3 > n1
NO
Si
n3, es mayor
n2, 'es mayor'
n1, 'es mayor'
3 3 3 ← Son iguales
3 3 4
3 3 4
4 3 3
5 5 3
5 3 5
1 2 3
3 2 1
2 3 1

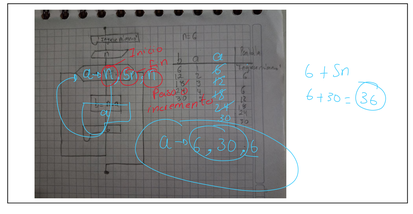

n1 n2 n3
n3 > n1 == n2
NO
n1 == n3
n1 == n2
n1 == n3
Si
Son iguales
n2 > n3
n1 > n3
n1 > n2
n1 > n3
n3, es mayor
n2, es mayor
n1, es mayor
n3, es mayor
n2, es mayor
n1, es mayor

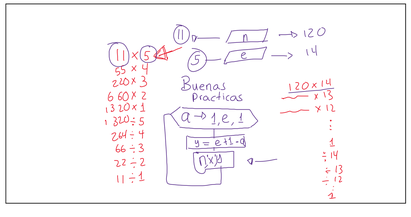

preguntar
Inicio
Final
Paso ó Incremento
a → 1, 10, 1


Inicio
Final
Paso ó Incremento
a → 0, 10, 1
a → 1, 5, 1
a
a
Pantalla
> 1
> 2
> 3
> 4
> 5
6


Ciclo for
Ciclo Para
suma = 0
n
a → 1, n, 1
suma = suma + a
'La suma es', suma
producto
multiplicacion
a
Pantalla
1
3
3
> la suma es 19
Producto = multiplicacion x a
Pro = Producto x a


2
4
6
8
10
12
14
n
a → 2, 2n, 2
a
Pantalla
> 2
> 4
> 6
> 8
> 10
14/2 = 7
14 = 7 x 2


a → n, 5n, n
a = 6, 30, 6
6 + 5n
6 + 30 = 36


11 × 5
55 × 4
220 × 3
660 × 2
1320 × 1
320 ÷ 5
264 ÷ 4
66 ÷ 3
22 ÷ 2
11 ÷ 1
Buenas Practicas
a → 1, e, 1
y = e + 1 · a
n
e
120
14
120 × 14
× 13
× 12
÷ 14
÷ 13
÷ 12
2