

Commercial calculator

Algorithm

Step 1: Start

Step 2: Input num1, num2

Step 3: $n1 = \text{num1}$

Step 4: $n2 = \text{num2}$

Step 5: Display choose operator to perform (+, -, *, /,
Input ch.

Step 6: Switch (ch)

Case '+': $\text{result} = *n1 + *n2$
output $*n1, \text{ch}, *n2, \text{result}$
break

Case '-': $\text{result} = *n1 - *n2$
output $*n1, \text{ch}, *n2, \text{result}$
break

Case '*': $\text{result} = *n1 * *n2$
output $*n1, \text{ch}, *n2, \text{result}$
break

Case '/': if ($*n2 == 0$)
Display math error

else
 $\text{result} = (\text{float}) *n1 / (\text{float}) *n2$
output $*n1, \text{ch}, *n2, \text{result}$
break

Case '%': $\text{result} = *n1 \% *n2$
output $*n1, \text{ch}, *n2, \text{result}$
break;

Default : Display Invalid operation
break

Step 7: Stop

flowchart



