

Reverse the number

Here we learn the process to reverse a number mathematically.

Variables to use

my-number

current-remainder

reversed-number

division-value

The process

Follow these 4 steps until my-number becomes 0

Step 1: current-remainder = remainder of my-number divided by 10

Step 2: reversed-number = reversed-number x 10 and then add current-remainder into that.

Step 3: division-value = my-number divided by 10

Step 4: my-number = round down of division-value

Example

Iteration number	current-remainder	reversed-number	division-value	my-number
0	0	0	0	3864
1	Remainder of 3864 /10 = 4	$(0 \times 10) + 4 = 4$	$3864 / 10 = 386.4$	386
2	Remainder of 386 /10 = 6	$(4 \times 10) + 6 = 46$	$386 / 10 = 38.6$	38
3	Remainder of 38 /10 = 8	$(46 \times 10) + 8 = 468$	$38 / 10 = 3.8$	3
4	Remainder of 3 /10 = 3	$(468 \times 10) + 3 = 4683$	$3 / 10 = 0.3$	0

Do this exercise for following numbers on paper and send back the photo of your work.

98473

970263

219

497

30973

23932