## Long Division (With Regrouping)

Let's learn about the long division method with regrouping and without remainder.

## Follow these steps to solve the sum.

Divide 57 ÷ 3.

Arrange the numeral first,

3)	57	

Step 1: Divide	3 57 (	Divide 5 tens by 3. We get 1 ten and some extra.
Step 2: Multiply	3 $57$ $3$ $3$ $3$	3 × 1 = 3.
Step 3: Subtract	$3 \underbrace{) \begin{array}{c} 1 \\ 57 \\ 3 \\ 2 \end{array}}$	Subtract 3 from 5, we get 2.
Step 4: Bring down	$ \begin{array}{c} 1\\ 3 \\ 3 \\ 3 \\ 27 \end{array} $	We bring down 7 near 2.
<b>Step 5:</b> Repeat on find the remainder	$ \begin{array}{r} 19\\ 3 \overline{\smash{\big)}} 57\\ \underline{3} \overline{}\\27\\ \underline{-27}\\0\end{array} $	By dividing 27 by 3, we get 9. Now we subtract 27 – 27= 0. We get 0 as remainder.