3-DIGIT NUMBERS

A BUILDING NUMBERS

Definition Digits

The symbols we use to write numbers are called **digits**. There are ten digits we use to build every number.

Word	Digit	Cubes
zero	0	
one	1	
two	2	
three	3	
four	4	
five	5	
six	6	
seven	7	
eight	8	
nine	9	

> **Definition Base 10 system**
>
> In the base 10-system, the place of a digit tells us its value. We can show a number in many different ways:
>
> - **With digits**:
>
>   243
>
> - **In expanded form**:
>
>   2 hundreds + 4 tens + 3 ones
>   200+ 40+ 3
>
> - **With words**:
>
>   two hundred forty-three
>
> - **In a place value table**:
>
> | Hundreds | Tens | Ones |
> |----------|------|------|
> | 2 | 4 | 3 |
>
> - **With blocks**:
>
>
>
>   2 hundreds   4 tens   3 ones
>
> - **with digits**:
>
>   243
>
> - **in expanded form**:
>
>   2 hundreds + 4 tens + 3 ones
>   200+ 40+ 3
>
> - **with words**:
>
>   two hundred forty-three
>
> - **in a table**:
>
> | Hundreds | Tens | Ones |
> |----------|------|------|
> | 2 | 4 | 3 |
>
> - **with cubes**:
>
>
>
>   2 hundreds   4 tens   3 ones
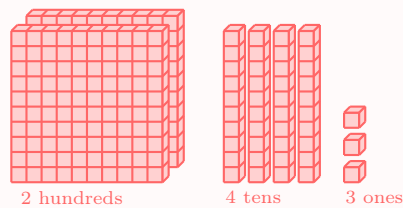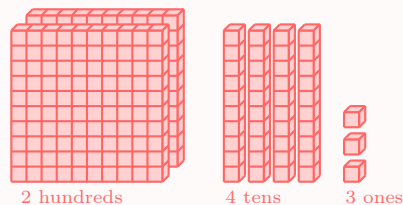
Zero is a special digit. It acts as a **placeholder** to show that a place is empty. For example, in the number 20, the zero shows there are no ones.

B ON THE NUMBER LINE

> **Definition Number Line**
>
> A **number line** is a line that shows numbers in order from smallest to largest. The distance between each number is always the same.