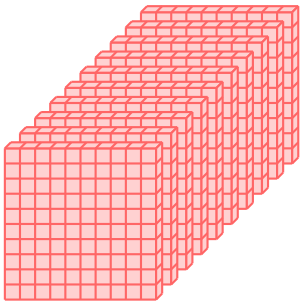
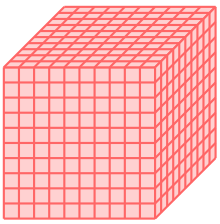
4-DIGIT NUMBERS

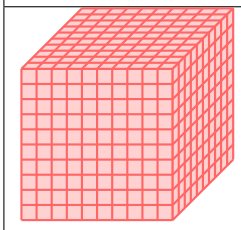
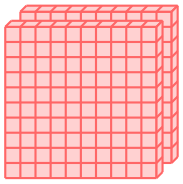
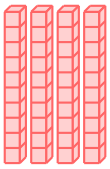
A DEFINITIONS

Discover:

- We can group 10 hundreds into 1 thousand:


= 10 hundreds = 1 thousand =


- To count how many thousands, hundreds, tens, and ones there are, we can make a table:

Thousands	Hundreds	Tens	Ones
1	2	4	3
			

The table tells us we have **1 thousand**, **2 hundreds**, **4 tens**, and **3 ones**, which we can write in positional notation as 1 243.

Definition **Base 10 system**

In the base 10 system, the place of a digit in a number determines its value. We can represent a number:

- **with digits**:

1 243

- **in expanded form**:

1 thousand +	2 hundreds +	4 tens +	3 ones
1 000+	200+	40+	3

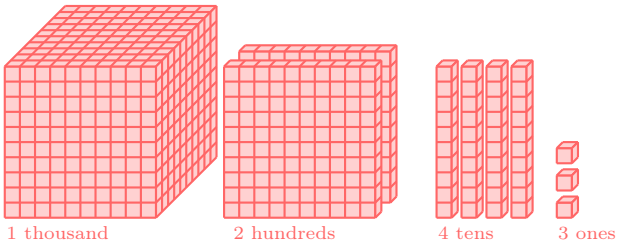
- **with words**:

one thousand two hundred forty-three

- **in a table**:

Thousands	Hundreds	Tens	Ones
1	2	4	3

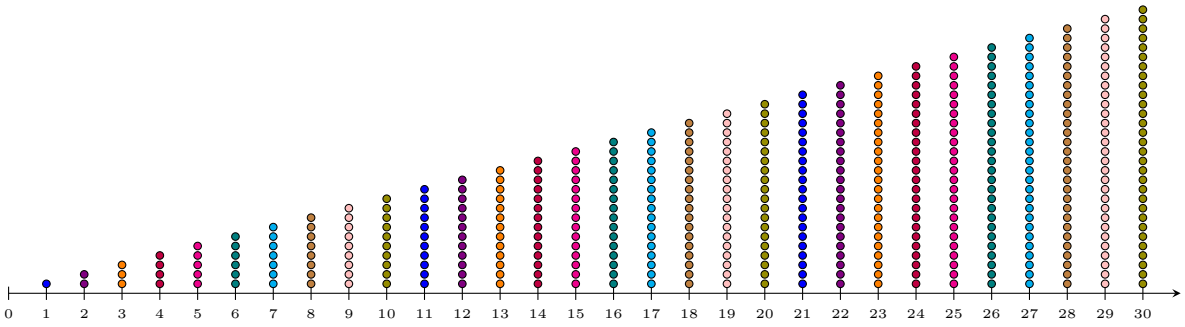
- **with cubes**:



B ON THE NUMBER LINE

Discover:

- A number line shows numbers like 0, 1, 2, 3, and so on in order.



- Let's make counting easier by counting by tens on our number line. Now we jump 10 at a time: 0, 10, 20, 30.

Definition **Number Line**

A **number line** is a line that shows numbers in order. Moving right adds by same number.