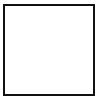
Place Value Chart: Tens and Ones

47 is 4 tens and 7 ones. Each digit sits in its own column.

Tens 10 	Ones 1 ○	Number
1	3	13
2	0	20
3	4	34
4	7	47
7	0	70
9	9	99

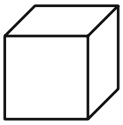
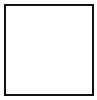
Place Value Chart to the Hundreds

347 is 3 hundreds, 4 tens, and 7 ones.

Hundreds 100 	Tens 10 	Ones 1 	Number
1	0	0	100
1	0	6	106
1	4	0	140
3	4	7	347
7	0	6	706
9	9	9	999

Place Value Chart to the Thousands

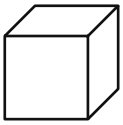
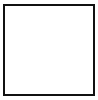
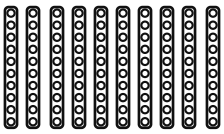
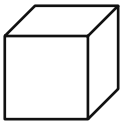
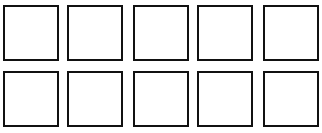
1,045 is 1 thousand, 0 hundreds, 4 tens, and 5 ones.

Thousands 1,000 	Hundreds 100 	Tens 10 	Ones 1 	Number
1	0	0	0	1,000
1	0	0	9	1,009
1	0	4	5	1,045
1	1	2	0	1,120
1	2	0	0	1,200

The comma in 1,045 marks the thousands.

Ten of One Place Make One of the Next

Each place is worth ten of the place to its right.

Thousands 1,000	Hundreds 100	Tens 10	Ones 1
			
			 10 ones make 1 ten
	 10 tens make 1 hundred		
 10 hundreds make 1 thousand			

For Grown-Ups: How to Use These Charts

A few minutes at a time, beside homework or with straws to count. For first to third grade.

Why use it

A place value chart shows what each digit in a number is worth, and each column is worth ten of the column to its right. Schools teach with objects and drawings first, then digits in columns, so a child sees 706 as 7 hundreds, 0 tens, and 6 ones.

What it is good for

- Page 1, tens and ones: first grade numbers (Common Core 1.NBT.B.2).
- Page 2, to the hundreds: second grade numbers to 1,000 (2.NBT.A.1).
- Page 3, to the thousands: 1,000, and to 1,200 in Texas (2.2(A)).
- Page 4: ten of each place make one of the next.

How to use it

1. Start with 3 bundles of ten straws and 4 loose ones. Your child counts the tens, then the ones.
2. Read 34 on page 1 in its columns first: “3 tens, 4 ones.” Then say “thirty-four”.
3. Point at a digit and ask what it is worth. The 4 in 347 sits under Tens, so it is worth 40.
4. Find the zeros. The 0 in 706 means no tens, and keeps the 7 in the Hundreds.
5. Page 4 shows why: ten ones make a ten, and ten tens a hundred.

> **Try saying:** “Which column is the 4 in? What is it worth?”

Tip: Ones are always on the right, so name the columns from the right if the order slips.