



1 Main Place-Value Chart

Place Value	Value	Power of Ten
Hundred Millions	100,000,000	10^8
Ten Millions	10,000,000	10^7
Millions	1,000,000	10^6
Hundred Thousands	100,000	10^5
Ten Thousands	10,000	10^4
Thousands	1,000	10^3
Hundreds	100	10^2
Tens	10	10^1
Ones	1	10^0
Decimal Point	.	separator
Tenths	0.1	10^{-1}
Hundredths	0.01	10^{-2}
Thousandths	0.001	10^{-3}

2 Move Left or Right

- One place left: value becomes 10 times larger
- One place right: value becomes 10 times smaller
- $\times 10 \leftarrow \text{PLACE VALUE} \rightarrow \div 10$

Each step changes value by a factor of 10.

3 Number Periods and Decimal Rule

- Millions Period | Thousands Period | Ones Period | Decimal Places
- Whole-number places are grouped in sets of three digits
- Read large numbers in groups of three digits
- The decimal point separates whole numbers from decimal parts
- Places to the left become larger
- Places to the right become smaller
- The decimal point never moves

4 How to Memorise Quickly

- 1 Start at the ones column
- 2 Move left to make values 10 times larger
- 3 Move right to make values 10 times smaller
- 4 Learn place names in groups of three
- 5 Say the order aloud in both directions
- 6 Cover the labels and recall them from memory

5 3-Minute Recall Routine

- 1 minute: Read the place names from left to right
- 1 minute: Say them from right to left
- 1 minute: Cover the labels and recall the order
- Start from ones, not from the far-left column
- Use colour to remember each number period
- Say place names aloud in rhythm
- Practise moving left and right by powers of 10
- Review after 10 minutes, one day and one week



Quick Tip

Memorise from the ones column first, then build left and right by powers of 10.