Y7 Mastery: Unit 1 Place Value
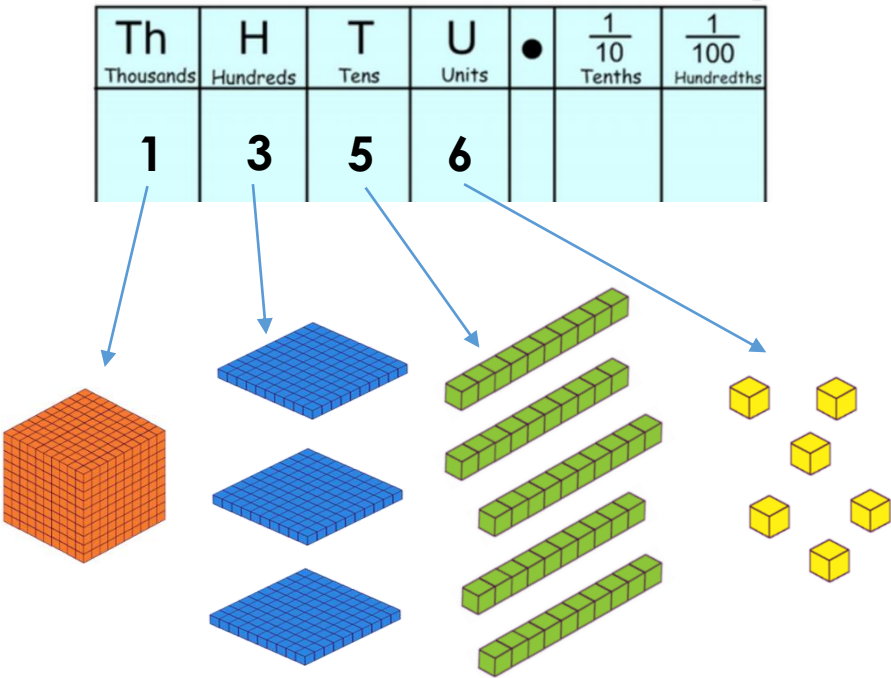
Number Systems

Base 10

This is the number system we use every day.

Base 10 **place value** has a relationship of × 10 between columns, moving from right to left.

We can use a place value chart to help us read and write numbers in base 10.

Th Thousands	H Hundreds	T Tens	U Units	•	$\frac{1}{10}$ Tenths	$\frac{1}{100}$ Hundredths
1	3	5	6			

Reading and Writing Numbers

0 – Zero	**10** – Ten	**20** – Twenty
1 – One	**11** – Eleven	**30** – Thirty
2 – Two	**12** – Twelve	**40** – Fourty
3 – Three	**13** – Thirteen	**50** – Fifty
4 – Four	**14** – Fourteen	**60** – Sixty
5 – Five	**15** – Fifteen	**70** – Seventy
6 – Six	**16** – Sixteen	**80** – Eighty
7 – Seven	**17** – Seventeen	**90** – Ninety
8 – Eight	**18** – Eighteen	
9 – Nine	**19** – Nineteen	

The standard short scale system

1	ones
10	tens
100	hundreds
1 000	thousands
10 000	ten thousands
100 000	hundred thousands
1 000 000	millions
10 000 000	ten millions
100 000 000	hundred millions

354 943

This number is written as
three hundred and fifty four thousand, nine hundred and forty three.

Keyword /Skill	Definition/Tips
Base 10	The system we use for counting. Also called the decimal system.
Place value	The value of each digit in a number. We can use a place value grid to help work this out.

Other Topics/Units this could appear in:

- Numbers, powers, roots, decimals and rounding
- Perimeter and area
- Multiples in context