



# Place Value

## MATHS KNOWLEDGE ORGANISER



### ESSENTIAL VOCABULARY

Thousands	1000
Hundreds	100
Tens	10
Ones	1
Zero	0- no value.
Place value	The place where a number sits within a number tells you its value.
Greater than	A number that is bigger than another number.
Less than	A number that is smaller than another number.
Order	Organising numbers based on value.
Round/rounded to	Simplifying a number usually to its nearest multiple of 10, 100 or 1000.
Negative number	A number with a value less than 0.
Partition	Pulling apart a number to simplify a mathematical question or to understand value.
Digit	A number/numeral.
Roman numeral	Roman numerals are the symbols used in a system of numerical notation based on the ancient Roman system.

### Key Themes

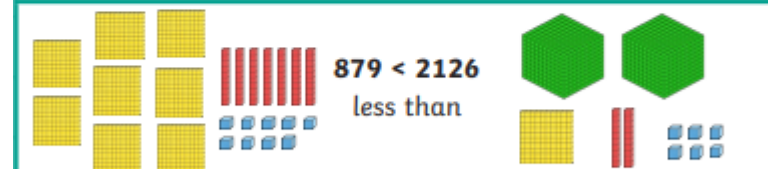
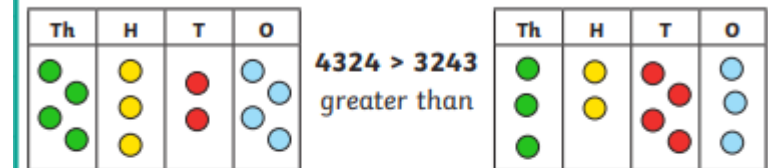
- Place value
- Rounding
- Estimation
- Magnitude
- Roman numerals

### Stem Sentences

Rounding to the nearest \_\_\_\_\_.  
 \_\_\_\_\_ is between \_\_\_\_\_ and \_\_\_\_\_.  
 The closest multiple of \_\_\_\_\_ is \_\_\_\_\_. I know this because \_\_\_\_\_.

### Useful Diagrams

#### Compare and Order



### LINKS TO PREVIOUS LEARNING

- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- recognise the place value of each digit in a two-digit number (tens, ones)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use and = signs
- read and write numbers to at least 100 in numerals and in words
- use place value and number facts to solve problems.

### Any Visual Representations

Look at the place value column to the right of the value you are rounding to. If this digit is a 4 or less, round down. If the digit is a 5 or more, round up.

