Place Value

ESSENTIAL VOCABULARY

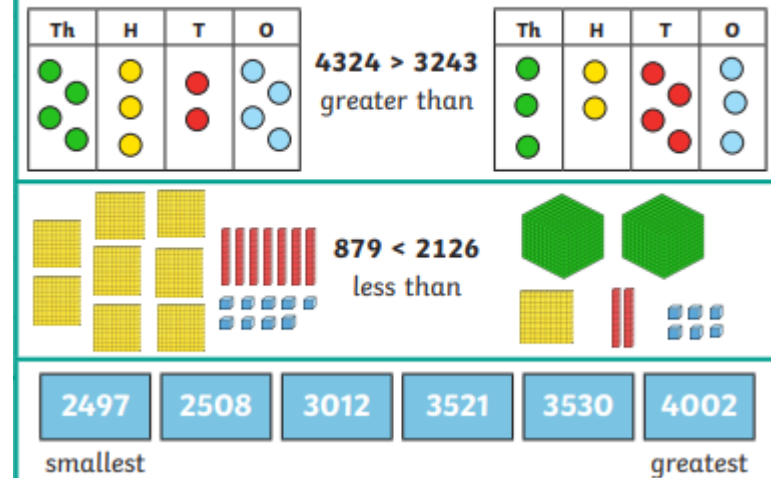|	
Thousands	1000
Hundreds	100
Tens	10
Ones	1
Zero	0- no value.
Place value	The place where a number sits within a number tells you its value.
Greater than	A number that is bigger than another number.
Less than	A number that is smaller than another number.
Order	Organising numbers based on value.
Round/rounded 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

4324 > 3243 greater than

879 < 2126 less than

| 2497 | 2508 | 3012 | 3521 | 3530 | 4002 |

smallest — greatest

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.

Rounding to nearest 10

| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

← round down — round up →

Rounding to the nearest 100

| 200 | 249 | 250 | 300 |

← round down — round up →

Rounding to the nearest 1000

| 2000 | 2499 | 2500 | 3000 |

← round-down — round-up →