Year 4 Place Value Knowledge Organiser

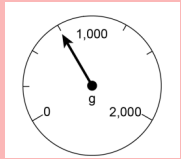
Star Vocabulary

Place value	Place value is the value of each digit in a number.
Digits	Any of the numerals from 0 to 9
Value	The worth of something
Numeral	A number
Intervals	The space between the 2 given numbers
Ascending	Numbers ordered from smallest to largest
Descending	Numbers ordered from largest to smallest
Rounding	Replacing a number with an approximate value

Recognise the place value of each digit in three-digit numbers.

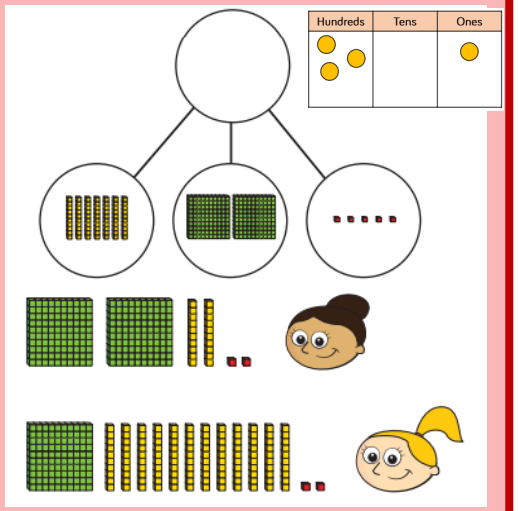
Compare/order numbers. Using mental and formal methods to add and subtract.

Place value is the **value** of each digit in a number. For example, the 5 in 350 represents 5 tens, or 50; however, the 5 in 5,006 represents 5 thousands, or 5,000.



Complete the table:

Start number	Rounded to the nearest 10
	
851	
XCVIII	



Sentence Stems

I know there are_____tens in _____hundred.

I noticed that 10 ones are equivalent to _____tens/hundreds.

Ten tens are the same as_____because_____ _____.

I wonder whether I could represent_____ as_____.

Misconceptions: Why?

I can have more than 9 of the same type of number e.g., 11 tens/
I started counting from the end of the number line.
245 to the nearest 10, can be rounded up and down to 240.

Factual & Conceptual Fluency progression

- Addition and subtraction within 10.
- Addition and subtraction across 10.
- Secure and maintain fluency in addition and subtraction within and across 10, through continued practice.
- Recall the 10 and 5 multiplication tables, and corresponding division facts.
- Recall the 2, 4 and 8 multiplication tables, and corresponding division facts.
- Recall the 3, 6 and 9 multiplication tables, and corresponding division facts.
- Recall the 7-multiplication table, and corresponding division facts.
- Recall the 11 and 12 multiplication tables, and corresponding division facts.
- Secure and maintain fluency in all multiplication tables, and corresponding division facts, through continued practice.