

# Master 1, 10, 100 and 1,000 More and Less

## Rationale

In this step, pupils will build on their understanding of finding 1, 10 and 100 more and less than a given number in Year 3 by finding 1, 10, 100 and 1,000 more and less than a given number to and across 10,000

Pupils will be encouraged to work mentally, supported by pictorial representations.



## Key Stem Sentences

- 1 / 10 / 100 / 1,000 more / less than \_\_\_ is \_\_\_
- \_\_\_ is 1 / 10 / 100 / 1,000 more / less than \_\_\_



## Key Vocabulary

- one / ten / hundred / thousand
- more than
- less than



## Common Errors or Misconceptions

- Pupils may have difficulty crossing boundaries. For example, 100 more than 6,915 is 7,115
- Pupils may have difficulty when finding 1,000 more than a 3-digit number or 1,000 less than a 4-digit number. For example, 1,000 less than 1,482 is 0,482



## Key Representations

### Gattegno Chart

1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
200	300	400	500	600	700	800	900	
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

10 more than 9,157 is 9,167

### Place Value Charts with Digits

1,000s	100s	10s	1s
5	7	9	6

5,696 is 100 less than 5,796

1,000s	100s	10s	1s
8	0	5	7

9,057 is 1,000 more than 8,057



## Pupils will FLOURISH if they can...

- accurately find 1, 10, 100 or 1,000 more and less than a given number.
- explain their understanding using 'Decide, Assess, Back up' with representations.

