

# Master Rounding to the Nearest 10

## Rationale

In this step, pupils are introduced to the parameters of rounding and will practise the skill by rounding 2, 3 and 4-digit numbers to the nearest 10

They will use their previous knowledge of number lines and consider multiples of 10 before and after a given number. They will understand the significance of the ones digit when rounding to the nearest 10 to decide whether to round up to the next multiple or down to the previous multiple of 10

Pupils will develop their learning by identifying a range of numbers that round to a specific multiple of 10. For example, numbers between 145 and 154 round to 150



## Key Stem Sentences

- The multiples before and after \_\_\_ are \_\_\_ and \_\_\_
- \_\_\_ rounded to the nearest 10 is \_\_\_
- When rounding to the nearest 10, look at the \_\_\_ digit.
- \_\_\_ is nearer to the \_\_\_\_\_ multiple of 10



## Key Vocabulary

- nearest / nearer to
- rounded to
- next / previous
- multiple



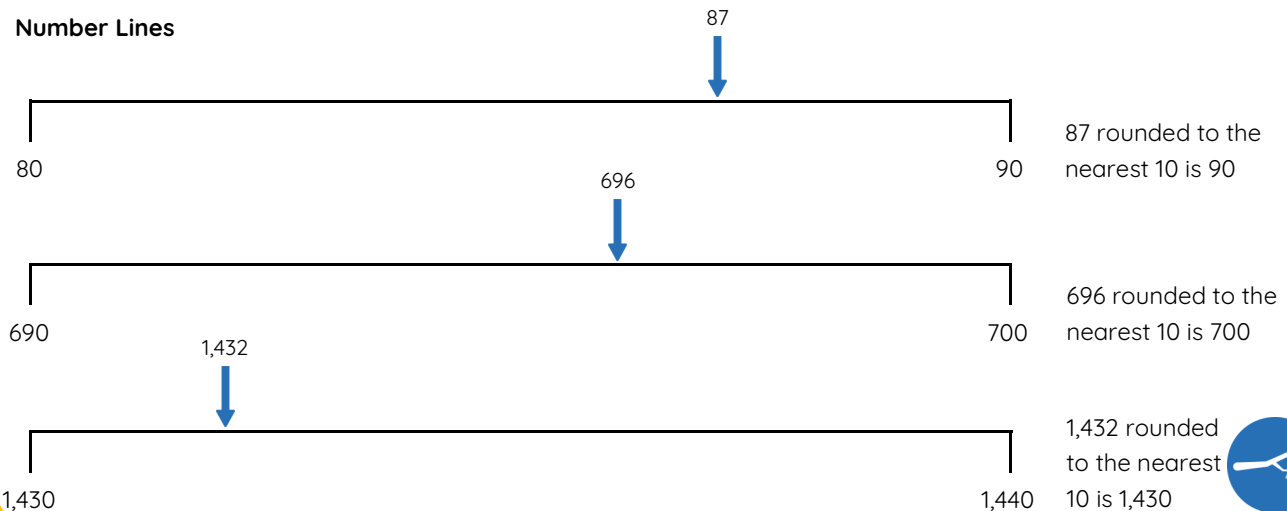
## Common Errors or Misconceptions

- Pupils may be insecure in the parameters of rounding, especially when rounding a 5 or 0 digit and may not realise that a number can round to zero.
- Pupils may not realise that numbers can round to the multiple before a given number.



## Key Representations

### Number Lines



## Pupils will FLOURISH if they can...

- identify the multiples of 10 before and after a given number.
- accurately round a given number to the nearest 10
- identify numbers that round to a specific multiple of 10
- explain their understanding using 'Decide, Assess, Back up' with representations.

