

Master Rounding to the Nearest 1,000

Rationale

In this step, pupils build on their understanding of rounding to the nearest 10 and 100 by rounding 3 and 4-digit numbers to the nearest 1,000. They will use their previous knowledge of number lines and consider multiples of 1,000 before and after a given number. They will understand the significance of the hundreds digit when rounding to the nearest 1,000 to decide whether to round up to the next multiple or down to the previous multiple of 1,000. Pupils will develop their learning by identifying a range of numbers that round to a specific multiple of 1,000. For example, numbers between 1,500 and 2,499 round to 2,000 as the nearest 1,000.



Key Stem Sentences

- The multiples before and after ___ are ___ and ___
- ___ rounded to the nearest 100 is ___
- When rounding to the nearest 100, look at the ___ digit.
- ___ is nearer to the _____ multiple of 1,000



Key Vocabulary

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



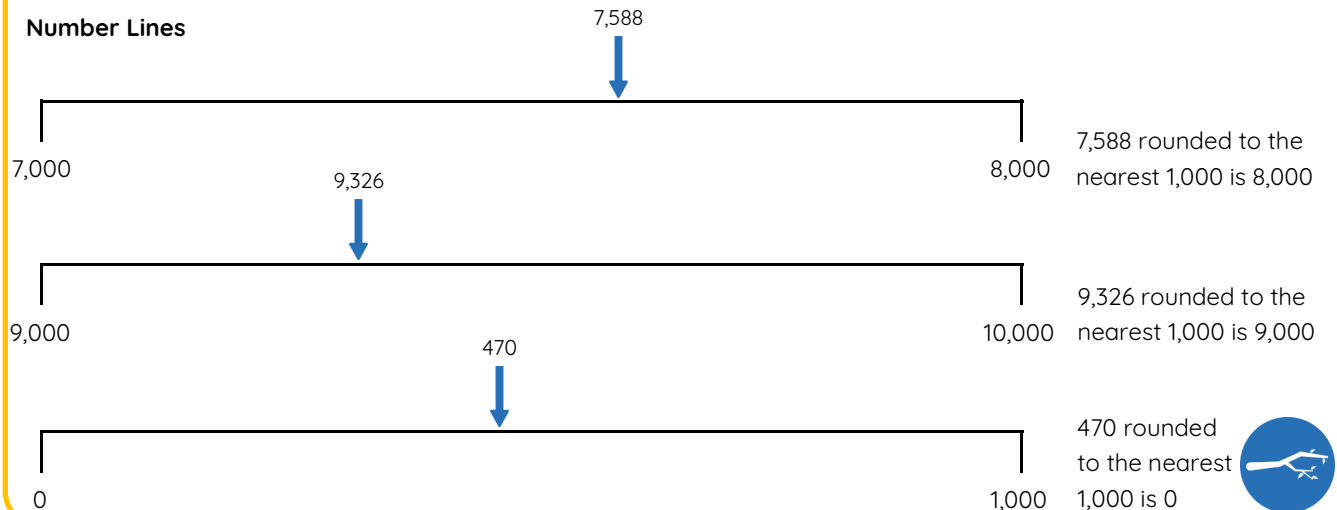
Common Errors or Misconceptions

- 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 1,000 before and after a given number.
- accurately round a given number to the nearest 1,000
- identify numbers that round to a specific multiple of 1,000
- explain their understanding using 'Decide, Assess, Back up' with representations.

