

# Master Thousandths on a Number Line as Fractions

## Rationale

In this step, pupils will build upon their understanding of hundredths as fractions on a number line from Year 4, and thousandths as decimals on a number line, and apply it to thousandths as fractions.

Pupils will label, identify and estimate where the fractions  $\frac{1}{1,000}$  to  $\frac{999}{1,000}$  are placed on a variety of simple number lines.



## Key Stem Sentences

- The value of each major / minor interval is \_\_\_\_
- \_\_\_\_ is here on the number line.
- \_\_\_\_ is the mid-point.
- \_\_\_\_ is near to \_\_\_\_ / between \_\_\_\_ and \_\_\_\_



## Key Vocabulary

- number line
- mid-point
- interval
- estimate



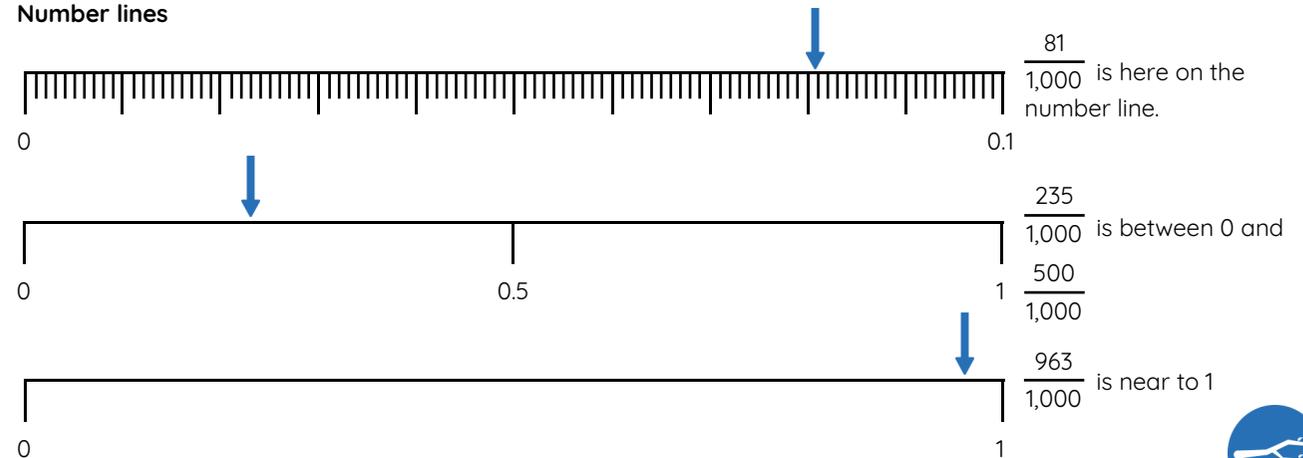
## Common Errors or Misconceptions

- Pupils may have difficulty understanding the size of thousandths in relation to each other and place them the incorrect distance from the start or between intervals.



## Key Representations

### Number lines



## Pupils will FLOURISH if they can...

- label, identify and estimate the position of thousandths on a variety of different number lines.
- begin to explain their understanding using their own words and representations.

