

Master Fractions on a Number Line

Rationale

In this step, pupils will develop their understanding of fractions through the use of number lines. They will use their understanding of the value of each interval to label, identify and estimate the position of proper fractions, improper fractions and mixed numbers within 2 on a variety of number lines.

Pupils will develop their learning by labelling, identifying and estimating the position of fractions on number lines that do not end with a whole number.



Key Stem Sentences

- The value of each interval is ____
- ____ is here on the number line.
- ____ is near to ____ / between ____ and ____



Key Vocabulary

- number line
- mid-point
- interval
- estimate



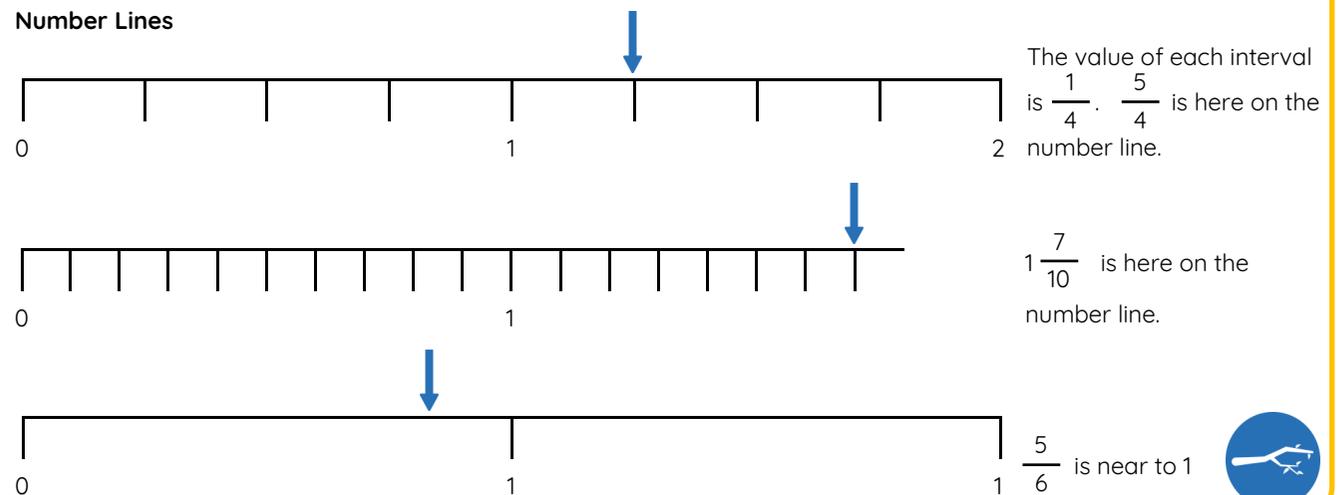
Common Errors or Misconceptions

- Pupils may have difficulty understanding the size of fractions in relation to each other and position them incorrectly.
- Pupils may not recognise the value of the intervals when the number line does not end with a whole number.



Key Representations

Number Lines



Pupils will FLOURISH if they can...

- label, identify and estimate the position of proper fractions, improper fractions and mixed numbers within 2 on a variety of different number lines.
- begin to explain their understanding using 'Decide, Assess, Back up', given stems and representations.

