

Master The Number Line to 20 A

Rationale

In this practical step, pupils will build upon their understanding of the number line to 10 by extending it to 20

Pupils will connect their prior knowledge of finding 1 more and 1 less, as well as counting on and back, to support them in identifying hidden numbers on number lines. Pupils will determine whether to start counting forwards from 0, or backwards from 20, depending on the location of the hidden number.



Key Stem Sentences

- ___ is here on the number line.
- ___ is here on the number line because 1 more than ___ is ___
- ___ is here on the number line because 1 less than ___ is ___



Key Vocabulary

- number line
- interval
- more than
- less than



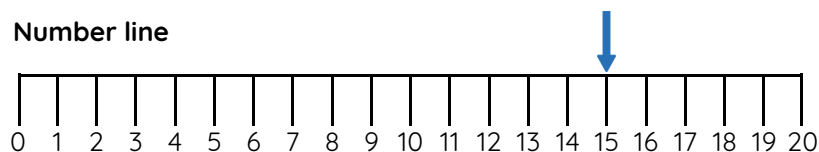
Common Errors or Misconceptions

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

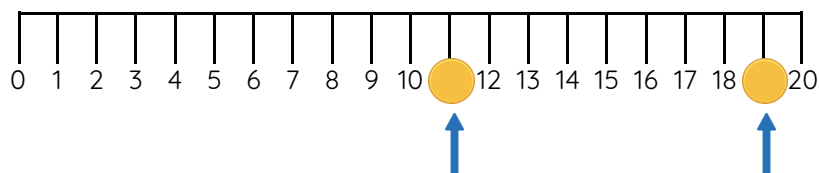


Key Representations

Number line



15 is here on the number line.



11 is here on the number line
because 1 more than 10 is 11

19 is here on the number line
because 1 less than 20 is 19



Pupils will FLOURISH if they can...

- count from 0 to 20 on a complete number line.
- accurately identify hidden numbers on a 0 - 20 number line.
- explain their understanding using verbal sentences and concrete apparatus.

