

Master Nearest to and Furthest from with Hundredths

Rationale

In this step, pupils will build upon their understanding of integers and tenths that are nearer to or further from a given number and apply it to hundredths.

Pupils will begin by deciding if a number is nearer to or further from 0 or 1. Then, they will decide which multiple of 1, 0.1 or 0.01 a number is nearer to or further from.

Learning will be developed further by deciding which number, in a pair or group, is nearest to or furthest from a given multiple of 1, 0.1 or 0.01 and which numbers are an equal distance from a multiple of 1, 0.1 or 0.01



Key Stem Sentences

- ___ is nearer to / further from ___ than ___
- ___ is nearest to / furthest from ___
- ___ is ___ away from ___
- ___ and ___ are an equal distance from ___



Key Vocabulary

- nearest / nearer to
- furthest / further from
- equal distance from / to



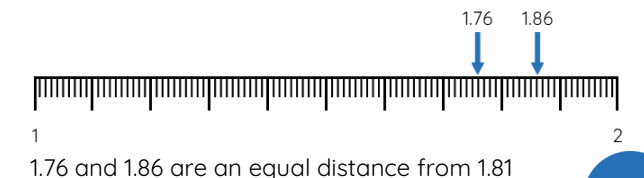
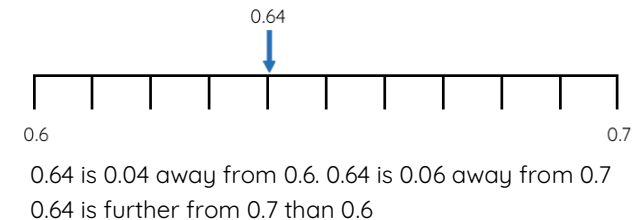
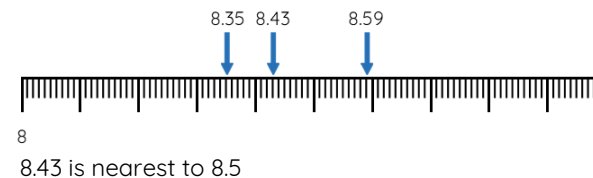
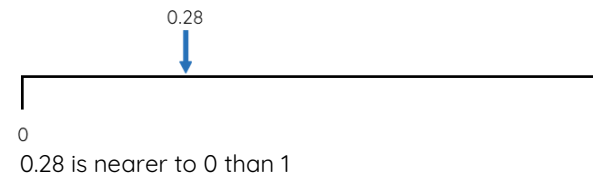
Common Errors or Misconceptions

- Pupils may not have a secure understanding of the comparative size of decimal numbers. For example, they may think that 0.59 is nearer to 0.5 than 0.6



Key Representations

Number Lines



Pupils will FLOURISH if they can...

- accurately identify whether a decimal number with hundredths is nearer to 0 or 1
- accurately identify the multiple of 1, 0.1 or 0.01 a decimal number with hundredths is nearer to / further from.
- accurately identify whether decimal numbers with hundredths are nearest to / furthest from / an equal distance from a given multiple of 1, 0.1 or 0.01
- explain their understanding using 'Decide, Assess, Back up' with representations.

