

Master Rounding Decimals to the Nearest Whole Number

Rationale

In this step, pupils build on their understanding of rounding whole numbers to round decimals with 1 decimal place to the nearest whole number. They will understand the significance of the tenths digit when rounding to the nearest one to decide whether to round up to the next multiple of 1 or down to the previous multiple of 1

Pupils will develop their learning by identifying a range of numbers that round to a specific multiple of 1. For example, numbers between 1.5 and 2.4 round to 2



Key Stem Sentences

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



Key Vocabulary

- whole number
- rounded to / nearest / nearest to
- next / previous / multiple
- one / tenth



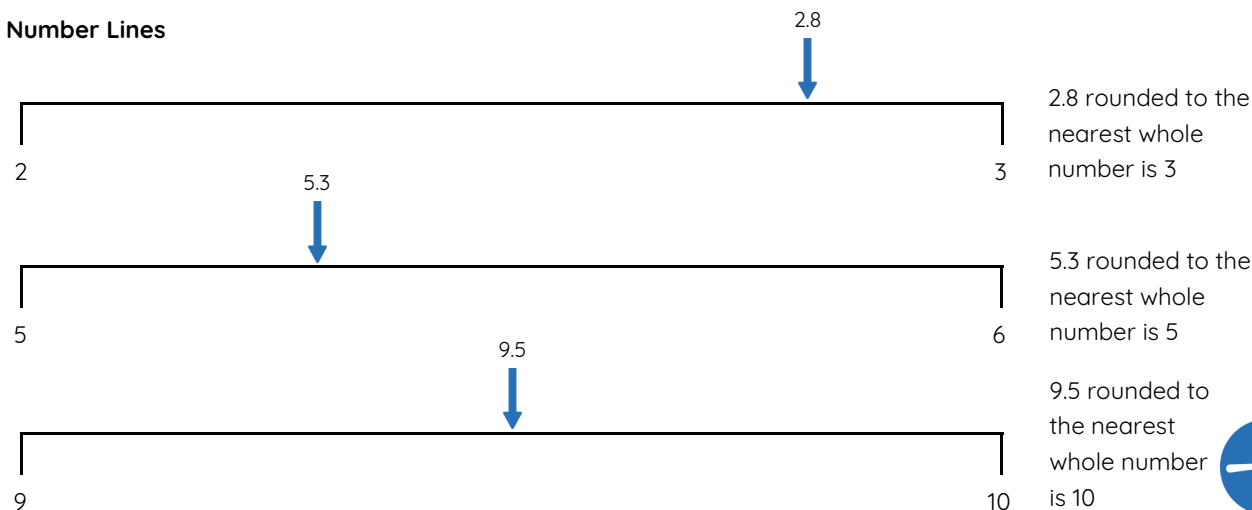
Common Errors and Misconceptions

- Pupils may round to the wrong whole number.
- Pupils may add place holders that are unnecessary. For example, 6.6 rounded to the nearest whole number is 6.0. Also, the tenths digits may not be removed.



Key Representations

Number Lines



Pupils will FLOURISH if they can...

- identify the multiples of 1 before and after a given decimal number with 1 decimal place.
- accurately round a given decimal number with 1 decimal place to the nearest whole number.
- identify the decimal numbers with 1 decimal place which round to a given multiple of 1
- explain their understanding using 'Decide, Assess, Back up' with representations.

