

# Master Reading and Writing Numbers with up to 2 Decimal Places

## Rationale

In this step, pupils will build on their understanding of decimal numbers by reading and writing ones and tenths, and ones, tenths and hundredths using decimal notation. They will continue to read and write numbers from left to right. When reading numbers, they will use the vocabulary 'point' to indicate the decimal point and say the ones, tenths and hundredths as single digits. For example, 5 ones, 7 tenths and 3 hundredths in words is 'five point seven three' and in numerals is 5.73. They will recognise zero as a place holder when the number is written in numerals and will understand they sometimes say it if it is in a decimal number. For example, 3.04 in words is 'three point zero four' but 2 ones, 3 tenths and 0 hundredths in words is 2.3. *Pupils will place a decimal point between the ones and tenths.*



## Key Stem Sentences

- \_\_\_\_ . \_\_\_\_ in words is \_\_\_\_\_
- \_\_\_\_\_ in numerals is \_\_\_\_ . \_\_\_\_



## Key Vocabulary

- point
- tenths / hundredths
- zero



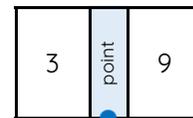
## Common Errors or Misconceptions

- Pupils may not use 'point' to say the decimal point.
- Pupils may read 5.6 as fifty-six.
- Pupils may misunderstand when to read and write zero. For example, 4.50 instead of 4.5

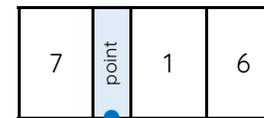


## Key Representations

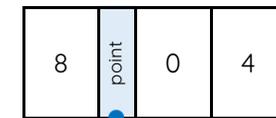
### Number Grid



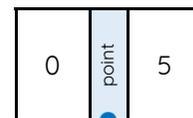
3.9 in words is three point nine.



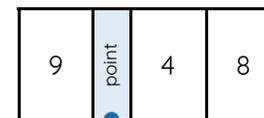
7.16 in words is seven point one six.



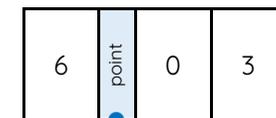
8.04 in words is eight point zero four.



Zero point five in numerals is 0.5



Nine point four eight in numerals is 9.48



Six point zero three in numerals is 6.03



## Pupils will FLOURISH if they can...

- accurately read and write numbers with up to 2 decimal places in words.
- accurately read and write numbers with up to 2 decimal places in numerals.
- explain their understanding using 'Decide, Assess, Back up' with representations.

