

Master Drawing Lengths in Centimetres

Rationale

In this step, pupils will build upon the previous steps of measuring with a ruler to develop the skill of drawing straight lines of a given length. They will understand the importance of looking at the ruler carefully to know where to begin, either from the end of the ruler or the 0, depending on the type of ruler that they have. They will learn skills to ensure their line is straight and they will check their line for accuracy.



Key Stem Sentences

- The line measures ___cm.



Key Vocabulary

- centimetre
- ruler
- length / long
- zero



Common Errors or Misconceptions

- Pupils may start from the wrong position.
- Pupils may not hold the ruler firmly, resulting in a crooked line.
- Pupils may read the ruler incorrectly and draw to the next / previous centimetre.



Key Representations

Rulers



The line measures 17cm.



The line measures 9cm.



Pupils will FLOURISH if they can...

- correctly identify the start points of different types of ruler.
- accurately draw lines to given lengths.
- check the accuracy of their drawn lines.
- explain their understanding using verbal sentences and mathematical proof.

