

# Sausage factory

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## Annotation

Aroha uses non-standard units appropriately to measure the length of an object. She shows that she understands that measuring is about subdividing a long length into shorter lengths and not just about filling up a line with rods. She demonstrates this understanding by visually dividing a length and estimating it to be five “short lengths”. She then repeatedly uses one pink rod to measure from the start point to the end point.

## Problem: Sausage factory

The teacher shows the student a 20-centimetre length of play dough and one pink Cuisenaire rod. Then the teacher tells the student that the butcher has made a “long sausage length” and he wants to know how many short sausage lengths (pink rods) would fit along it and asks:

*How many short sausages do you think the butcher could make?*

## Student Response

Aroha replicates the size of the short sausage length with her fingers and then moves her hand along the play dough, partitioning the length as she does so.

Aroha: I think you can make five short sausage lengths.

Teacher: Can you check with the rod?

Aroha carefully positions the rod at the start and marks where it ends with the knife. She then repeatedly repositions the rod carefully, marking off each placement.



Teacher: Was your guess correct?

Aroha: Yes.