

# Coloured strips

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## Annotation

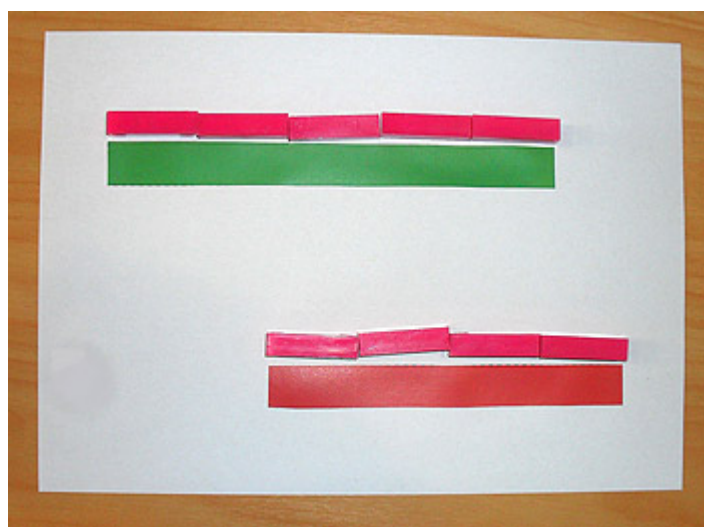
Lachlan uses non-standard units appropriately to measure and compare the lengths of two fixed objects. He understands that in order to compare two different-coloured strips he must use identical units. He uses pink rods to measure both lengths, and he uses this information to determine which object is longer and by how much. His placement of units repeatedly along a straight line shows that he understands that the line must be filled without gaps or overlaps.

## Problem: Coloured strips

The teacher gives the student a card with two coloured strips glued on it. Then the teacher makes available to the student red and pink Cuisenaire rods to help him measure the lengths of the two strips and asks:

*Which strip is longer, the green or the red?*

## Student Response



Lachlan: The green strip.

Teacher: How do you know?

Lachlan: The green is five rods, and the red is four rods.

Teacher: So how much longer is the green one?

Lachlan: One rod longer.