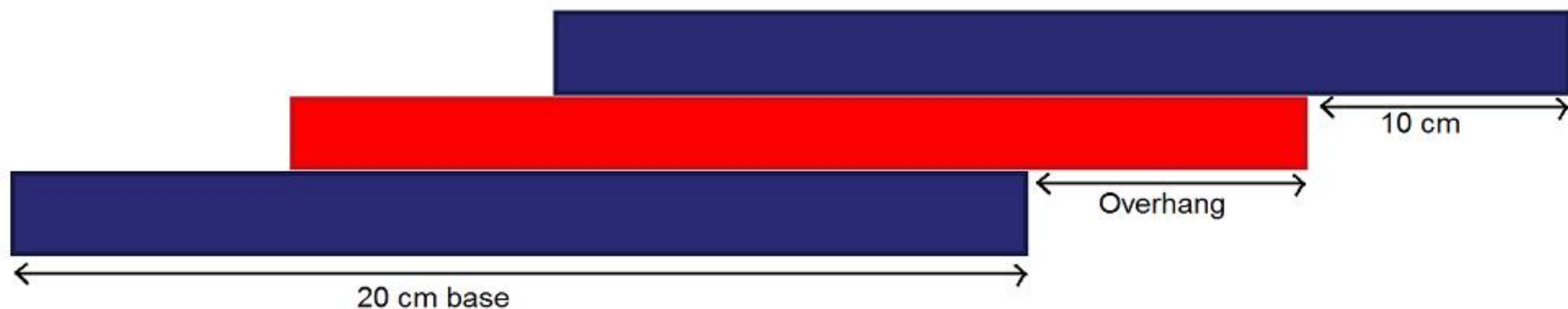# Overarch

Three uniform square tiles of side 20cm are balanced as shown.

The red tile overhangs as far as possible without toppling over.

10 cm

Overhang

20 cm base

How big is the overhang?

Thousands more problems can be found on the NRICH Maths website:

http://nrich.maths.org