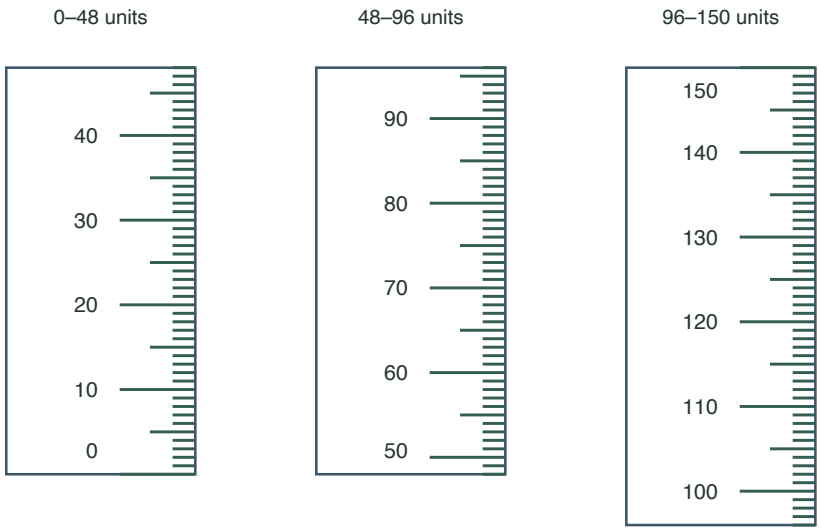
Growth Chart Ruler

Reference I Worked example I A4

Prompt

A classroom makes a strip with numbered marks every 10 units and a smaller tick at each single unit, from zero at the floor to a top numbered mark of 150 units. The strip is printed in three pages joined end to end. Show how to check the scale and where to place the joins.



Reduced classroom diagram · 10 model units = 11.2 mm



Actual 100 mm print check

Answer

In the three-piece classroom model, put joins at 48 and 96 units, away from the numbered multiples of ten. Use one chosen print distance per model unit throughout the three pieces. Compare a ten-unit interval with its specified length before joining. Use the separate centimeter master at actual size for a full-height strip.

Reasoning

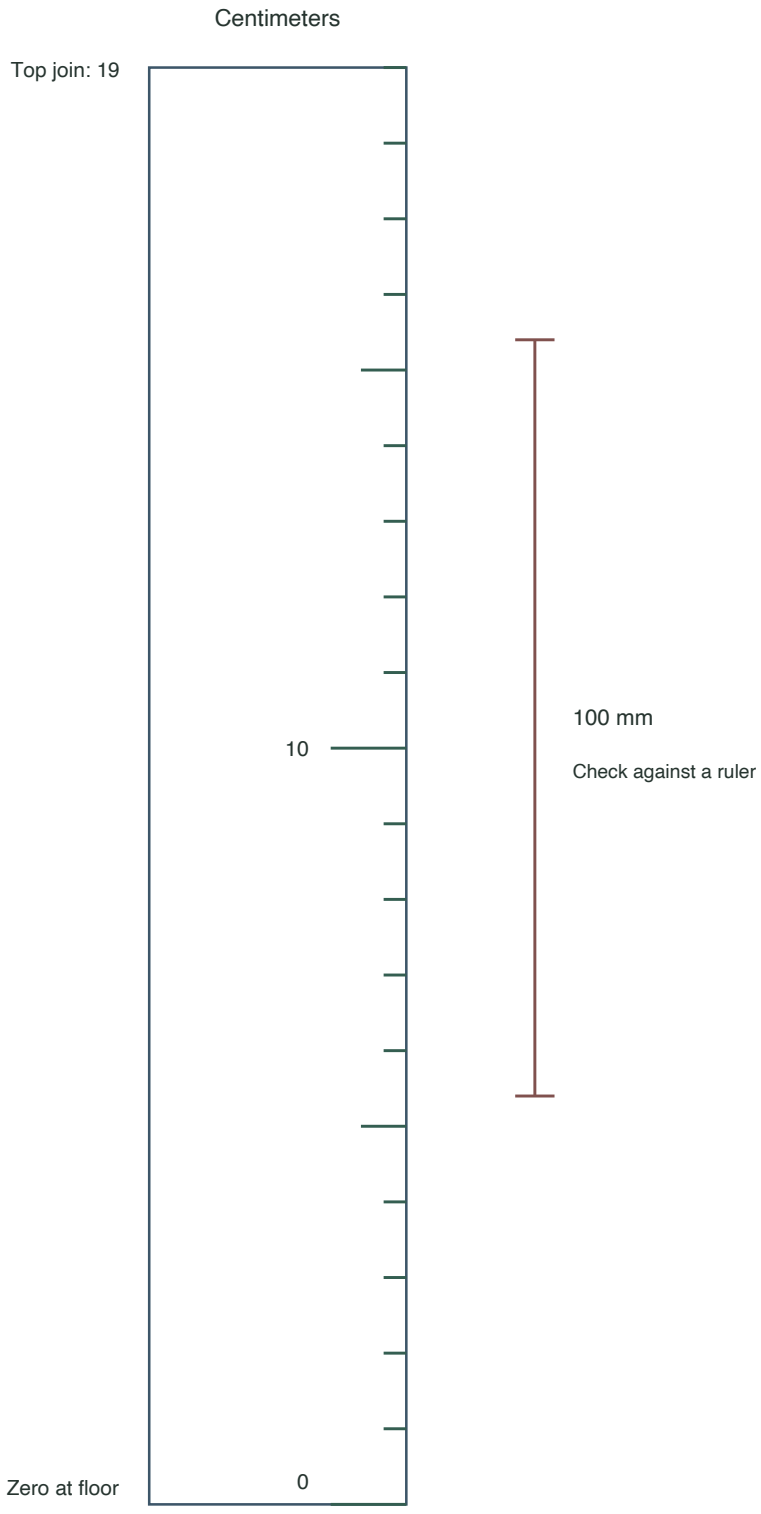
Choosing both scale and page breaks keeps the display readable. The classroom drawing uses model units. The true-size master uses physical centimeters.

Check

Check both seams fall between numbered ticks, the model keeps the same unit pitch, and the full-size strip's calibration line measures 100 mm as printed.

Growth Chart Ruler

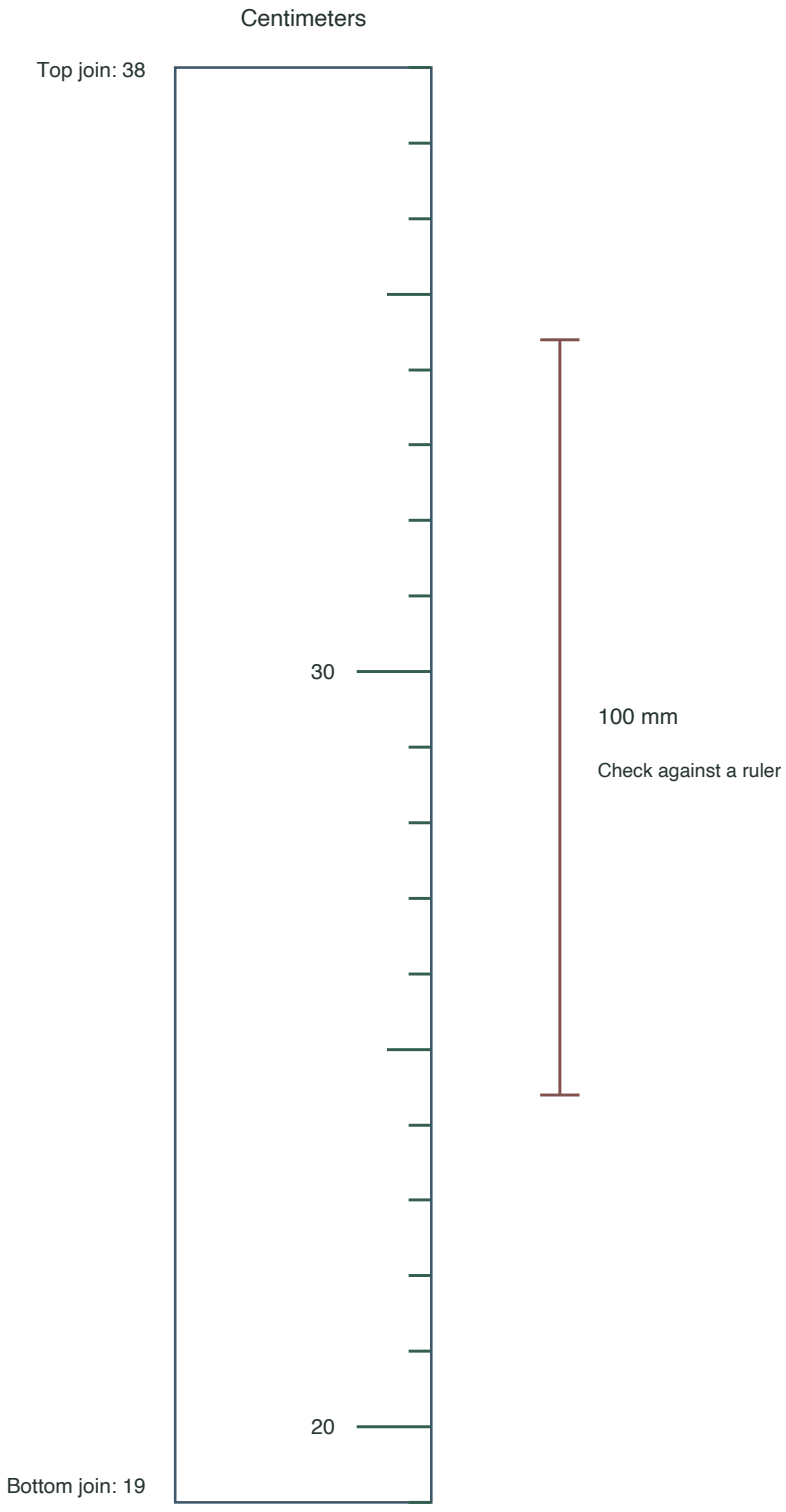
Reference | Actual-size tile 1 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

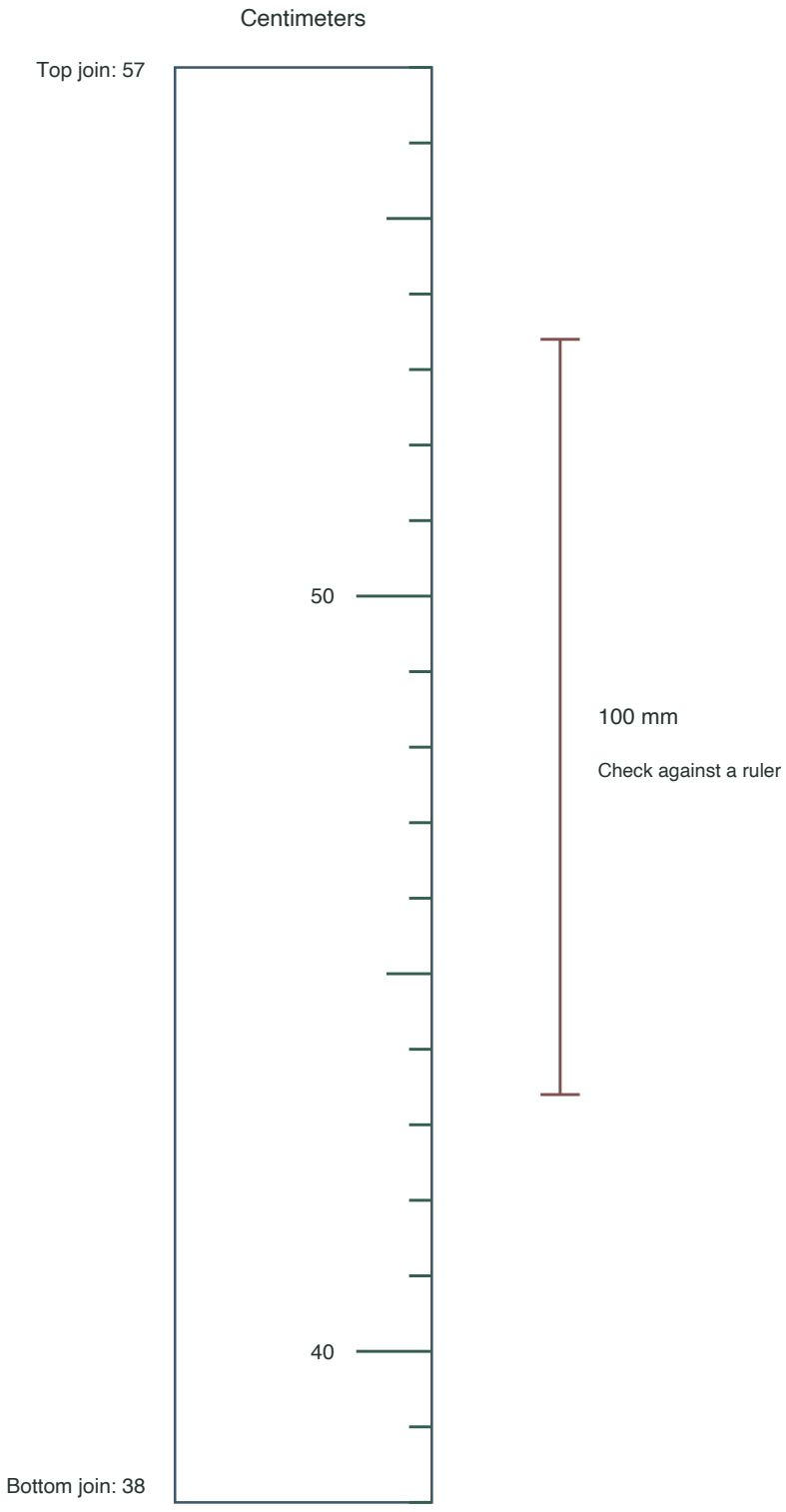
Reference | Actual-size tile 2 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

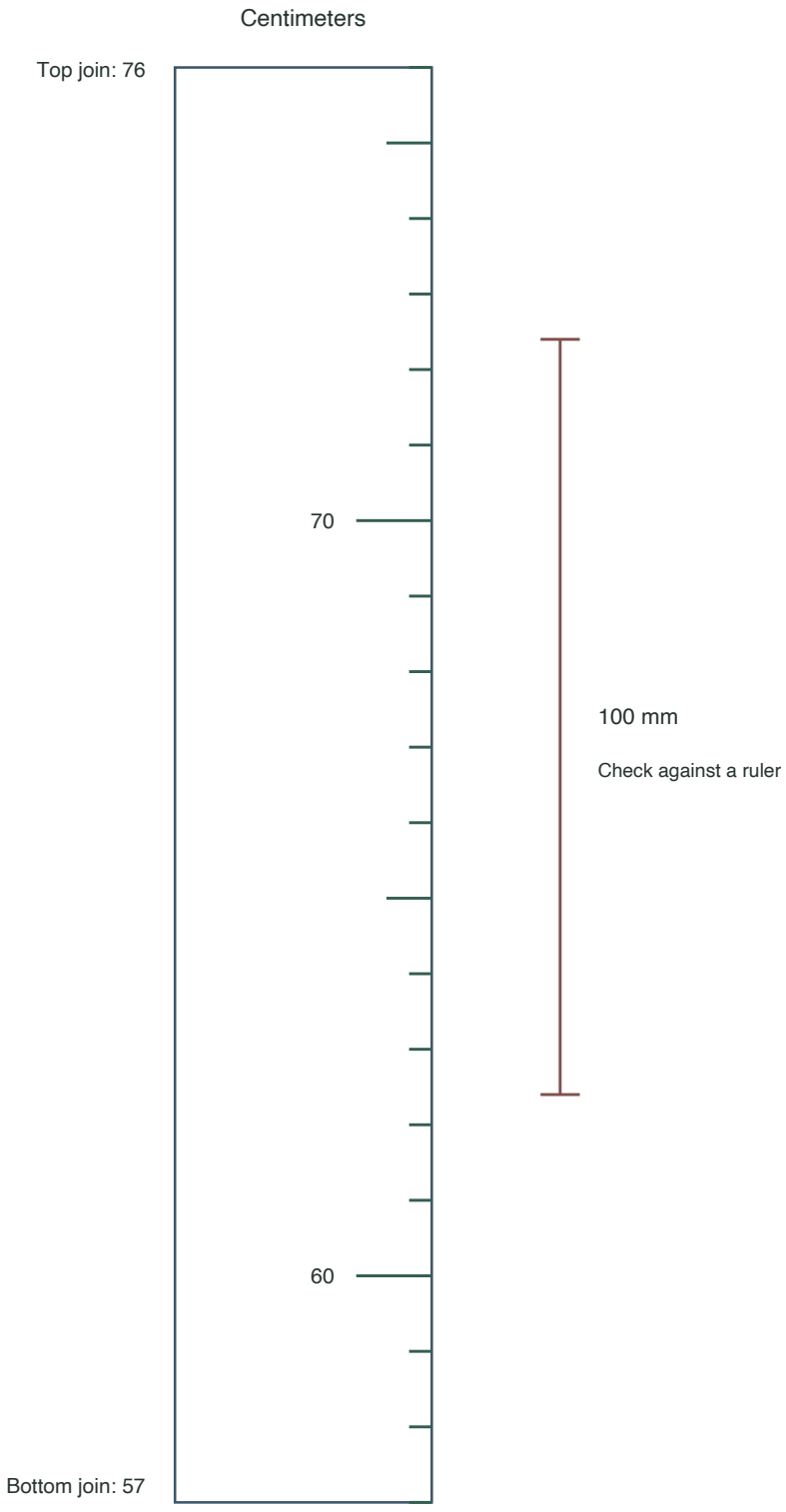
Reference | Actual-size tile 3 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

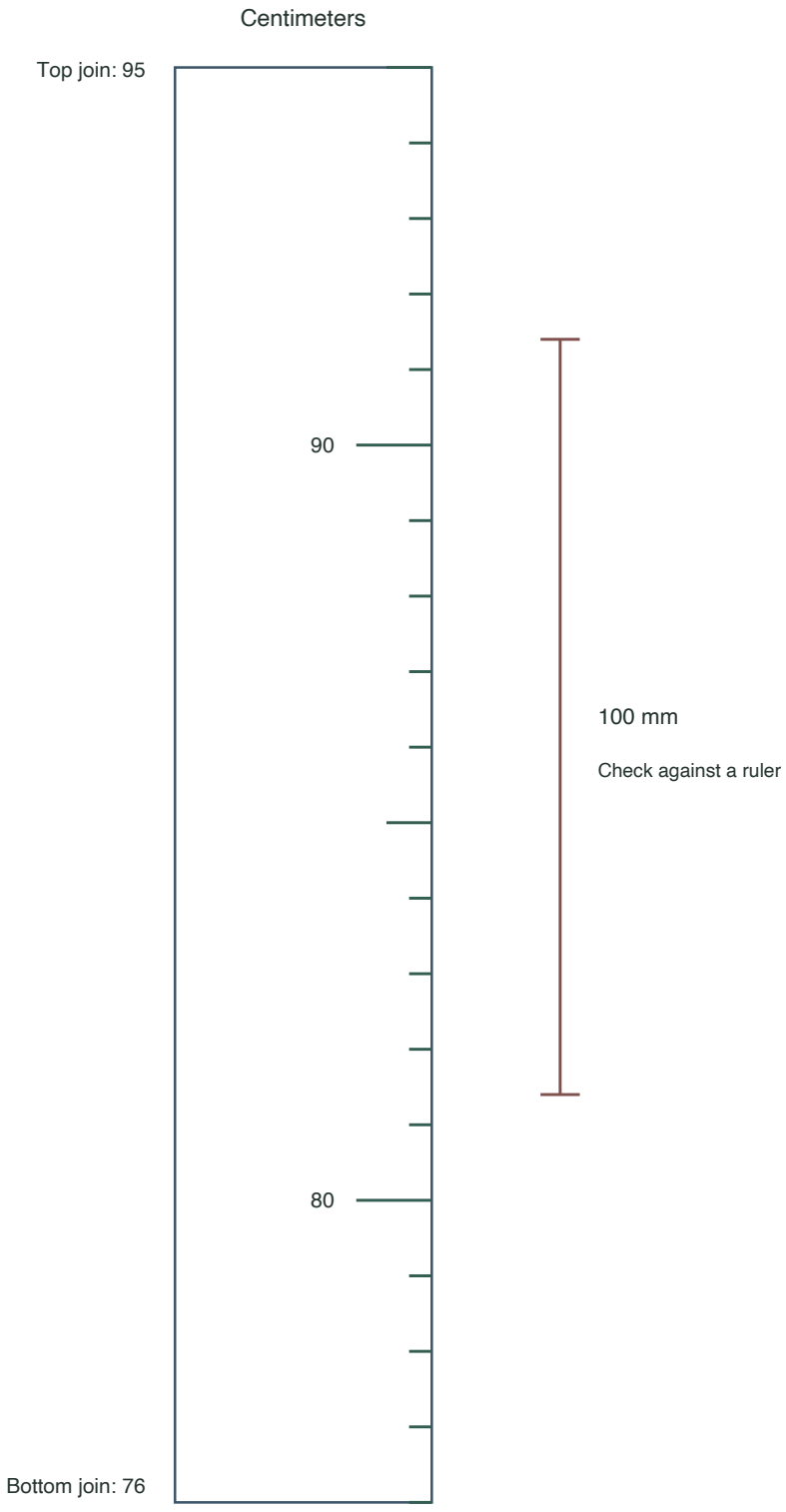
Reference I Actual-size tile 4 · print at 100% I A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

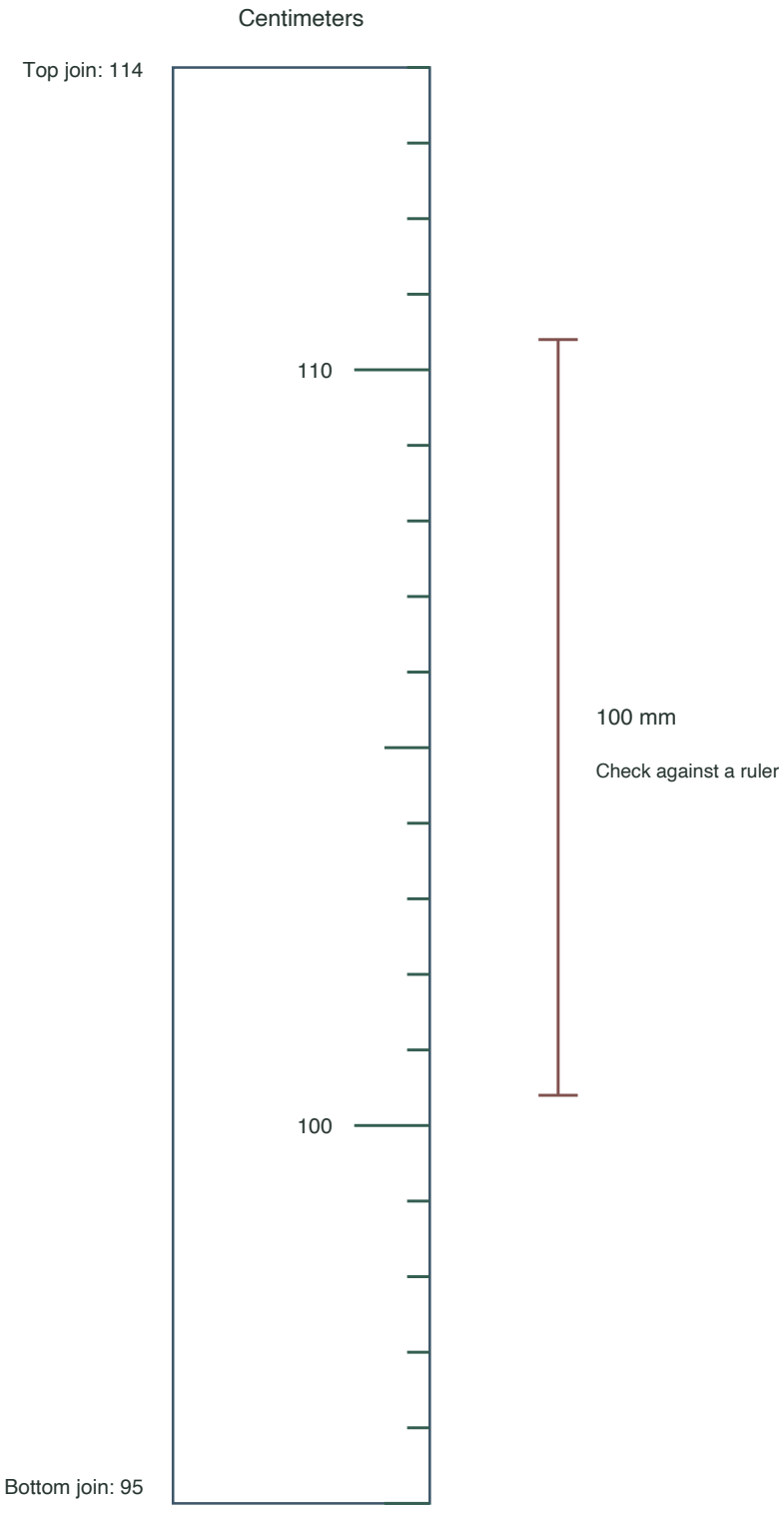
Reference | Actual-size tile 5 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

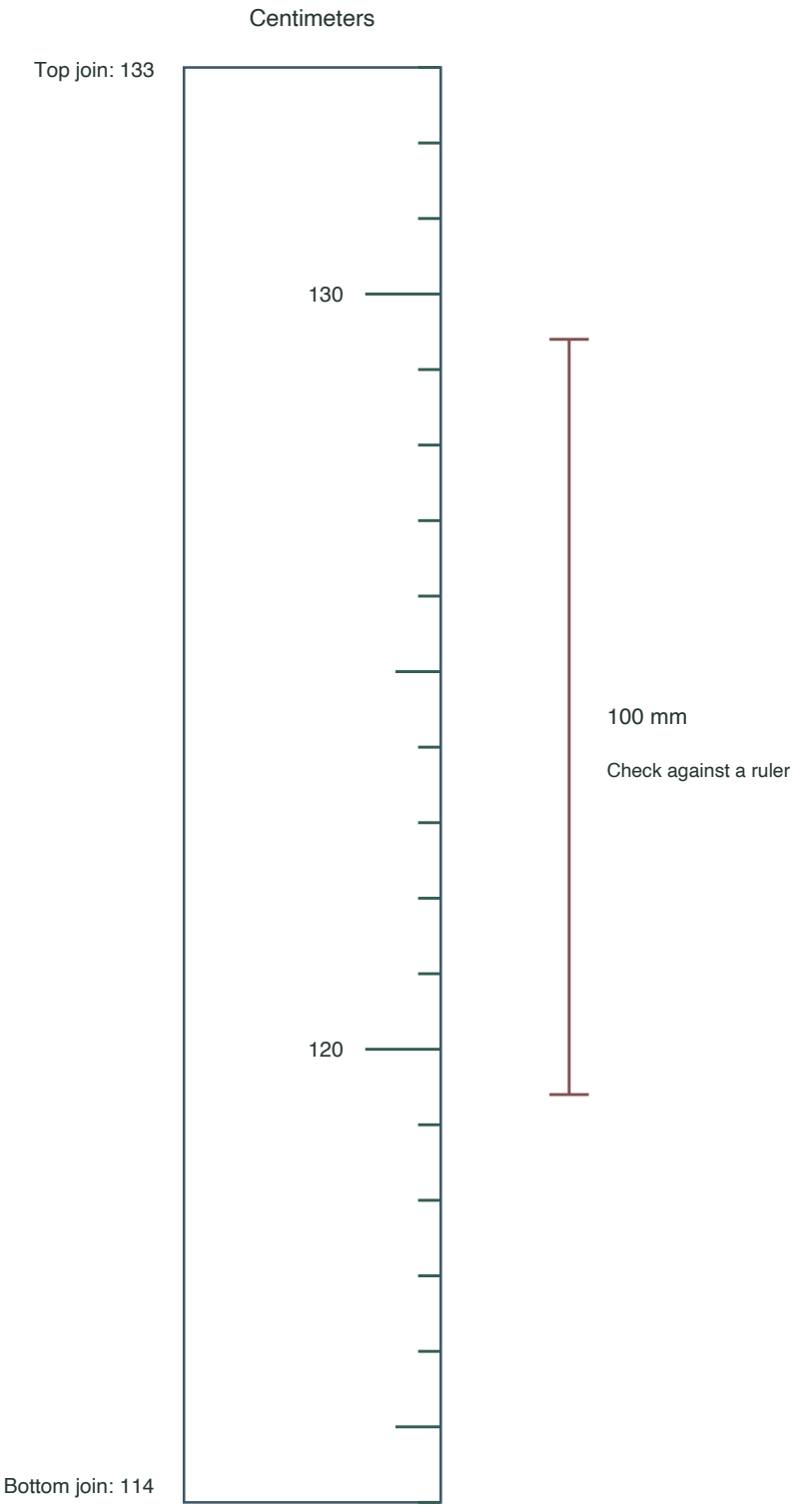
Reference | Actual-size tile 6 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

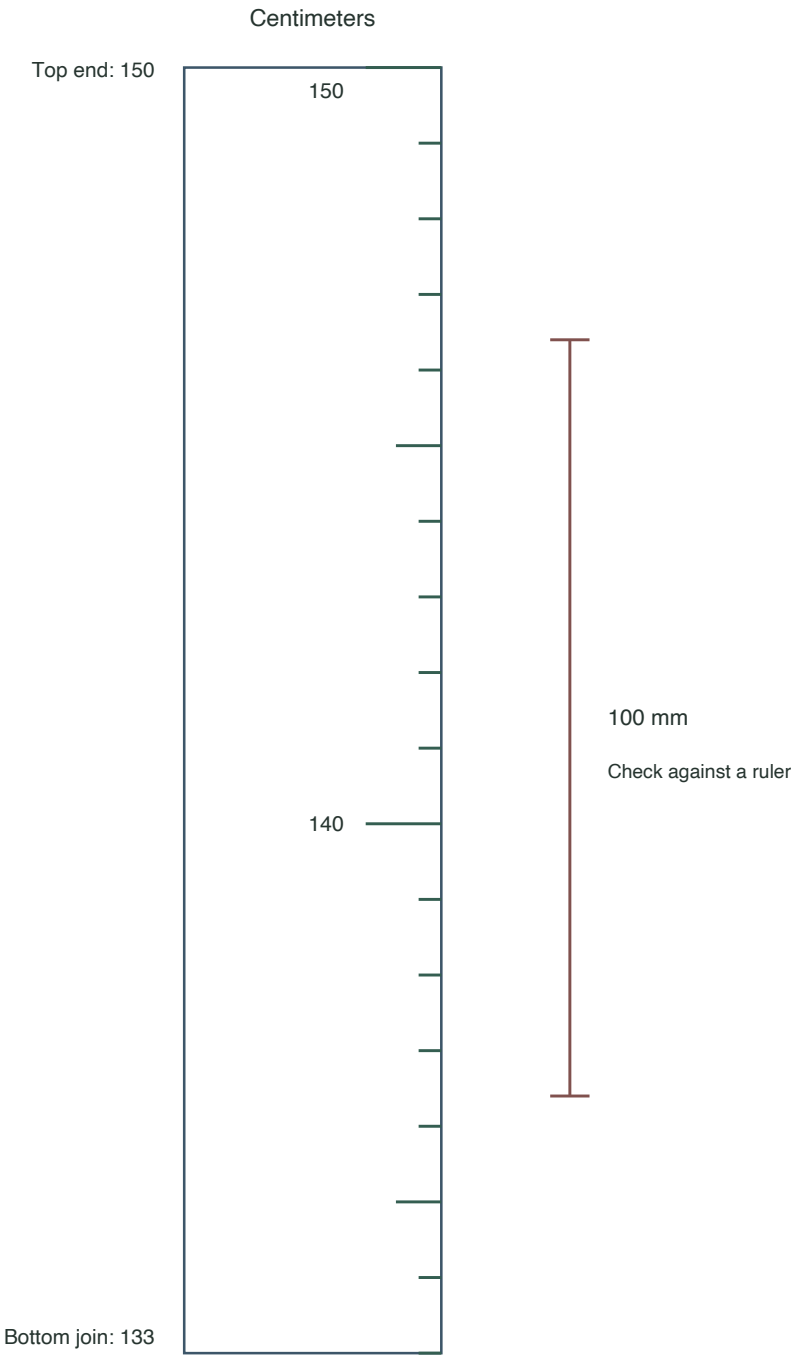
Reference | Actual-size tile 7 · print at 100% | A4



Trim the solid border. Butt the matching join heights.

Growth Chart Ruler

Reference I Actual-size tile 8 · print at 100% I A4



Trim the solid border. Butt the matching join heights.