

I found that rather than enlarging them by their scale factors in horizontal or vertical directions, I could do both, so as to retain their original shape almost perfectly. I made a replica of the diagram in Excel by colouring in square cells, and then put every country on their own into publisher. I resized the original picture to be exactly 10 centimetres, making the problem of a 1.8x scale factor easily solved.

These are the calculations I applied to the map:

Country	Enlargement (%)	Size
A	150%	15cm
B	180%	18cm
C	50%	5cm

This is the resulting map:

