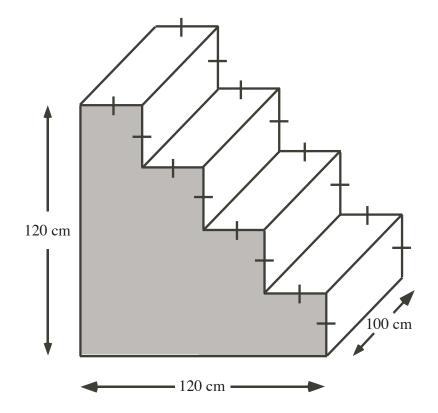# Problem of the Week
Problem C
Fund Raising - One Step at a Time

A temporary set of stairs has been constructed to get dignitaries on and off a stage at a fundraising event. The steps are of equal depth and equal height. The entire structure is 120 cm high, 120 cm from front to back and 100 cm wide.

The stairs are to be carpeted and the two sides are to be painted. One of the two sides that is to be painted is shaded in the diagram. The back and bottom of the structure will not be seen and will not be carpeted or painted.

Determine the total area to be carpeted and the total area to be painted.