A Packing Problem

A shipping company needs to box up six $1ft.×2ft.×2ft.$ packages into one large box.
To save money on materials,
the shipping company would like to find a box that would have the least amount of surface area.

* + 1. What are some possible size boxes that could be used to pack all six packages together?

* + 1. If the postal company wants to use a box with the least surface area, what should the dimensions be?
		2. What if you add three more smaller $1×1×1$ packages? Can you find the dimensions of the box with the least surface area?