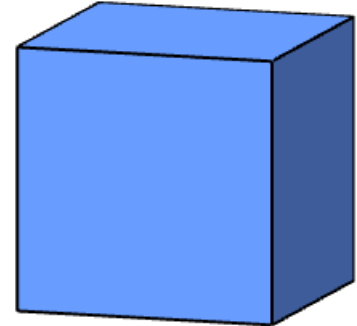


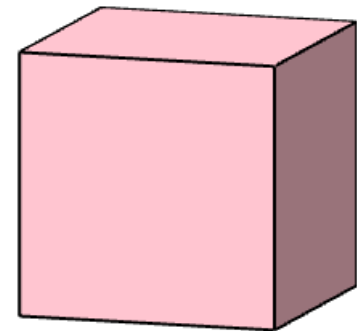
1. The distance between centres of two adjacent faces of a cube is 8cm.

What is the side length of the cube?



2. I can make an equilateral triangle by cutting off the corner of a cube.

If the area of the largest equilateral triangle I can create in this way is **140** cm², what is the side length of this cube?



3. A third cube has an edge length of **12** cm.

At each vertex, a tetrahedron with three mutually perpendicular edges of length **4** cm is cut away.

Can you find the volume and the surface area of the remaining solid?

