Volume

**Circumference (area of circle) of top/base = 4cm2**

**Height= 10cm**

Above are two cylinders. They both have the same measurements and are congruent. This means they are the same. The only difference is that they are placed differently. This does not change the volume. The top and base have to be the parallel and congruent. In this shape, the top and base are the two circles.

Find the Volume: In this case, you don’t need to calculate the area, since it is already given. Remember to always show your work and state what the formula is.

**Volume= area of base x Height**

**= 4x10**

**= 40 cm3**

**The volume of this shape is 40 cm3.**

4cm2

4cm2

10cm

10cm