

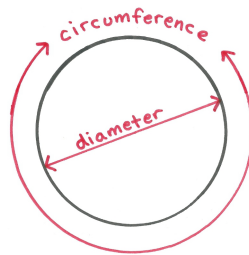
# Drawing Simple Vertical Lines on a Foam Ball

## Step 1:

First find the north and south pole of your ball and draw a dot on that point. Most balls have factory markings on these points as well as a line at the equator.

## Step 2:

Find the circumference of your ball. Most foam balls are measured by their diameter. The foam balls I use are 6 cm, 7 cm and 8 cm in diameter. Finding the circumference is easy if you know the diameter of your ball.



$$\text{Circumference} = \text{pie} \times \text{diameter}$$
$$\text{pie} = 3.14$$

If you don't know the diameter of your ball just measure the circumference yourself, using the measuring tape around the equator line of your ball.

## Step 3:

Once you find the circumference divide it by the number of lines you need to draw. That is the distance between lines at the equator of your foam ball. Starting anywhere on the equator of your ball measure and draw points on the equator line according to the measurement you calculated.

## Step 4:

Once you mark the points on the equator of your ball just connect the dots between the north pole, equator point and the south pole.

This technique should work for any size ball with any number of lines that need to be drawn. I've tested it with 6 cm, 7 cm and 8 cm balls in 6, 8, 10 and 12 line divisions.

When doing a 6 or 8 division ornament I find it easier to first mark the ball into 3 and then into 6, or first into 4 and then into 8, and so on.

Rounding your numbers will effect your measurements. It is best to be as precise as you can in your measurements for the best results.