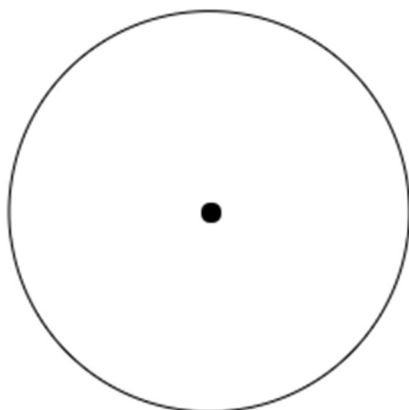


Loci

A locus (or plural loci) is the set of points that match a certain criteria.

Let's look at two examples. The first one is all the points that are a certain distance from another point. For this the set of points form a circle, as everywhere on the circle is the same distance from the point. For example:

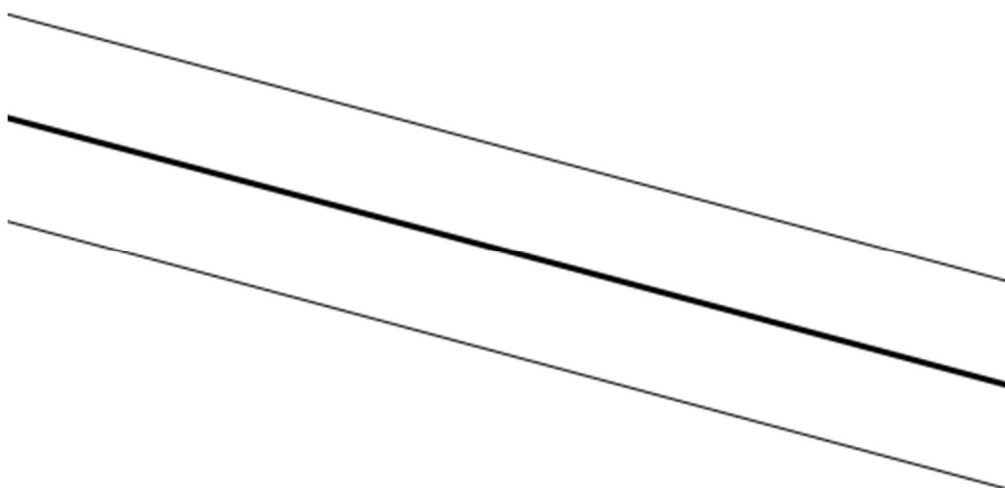
Draw the Loci of all the points 10km from the dot.



5km 5km

The other type of loci we look at is the points that are all a certain distance from a line. If we look at this dark black line, all the points that form the two lines either side are all the same distance away from the line.

Draw the Loci of all the points 200m from the line.



200m 200m