

YOU & MATHS **Equidistant** Given two different points A and B , describe how to construct 10 different points that are equidistant from A and B .

Set your compass for a distance a little longer than a half of the length of AB .

Draw two circles by pointing a compass first in A and then in B , both times with the same compass width. The points where the two circles intersect are equidistant from A and B .

If you repeat the process choosing a different compass width, you can get as many different points (actually pairs of points) as you want that are all equidistant from A and B .