

Introducing loci

Mathematics

Mr Maseko



Try this

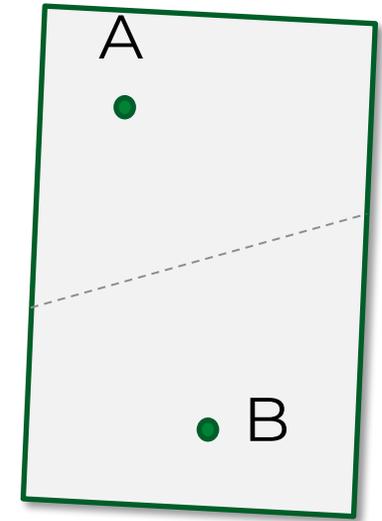
Take a piece of paper. Mark two points A and B.

Fold the paper so that A and B coincide.

Do this again with different locations for A and B.

What do you notice about the relationship between the fold lines and points A and B?

Draw a line segment joining A and B. What do you notice about the relationship between the fold line and the line segment?

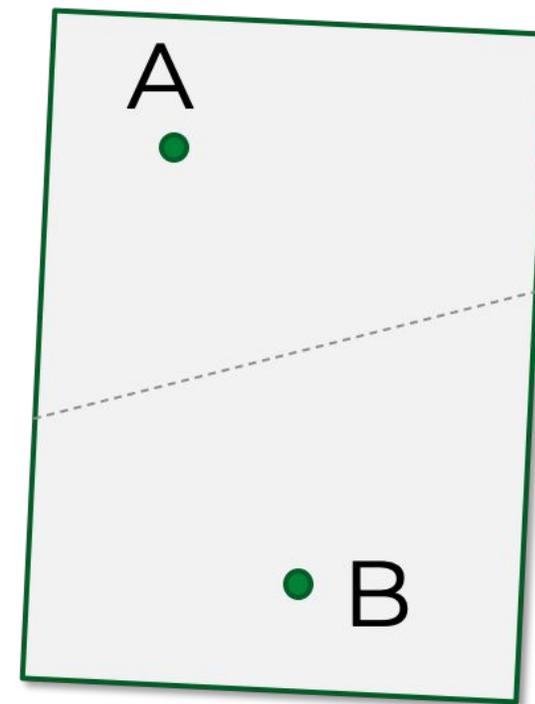


Connect

Locus

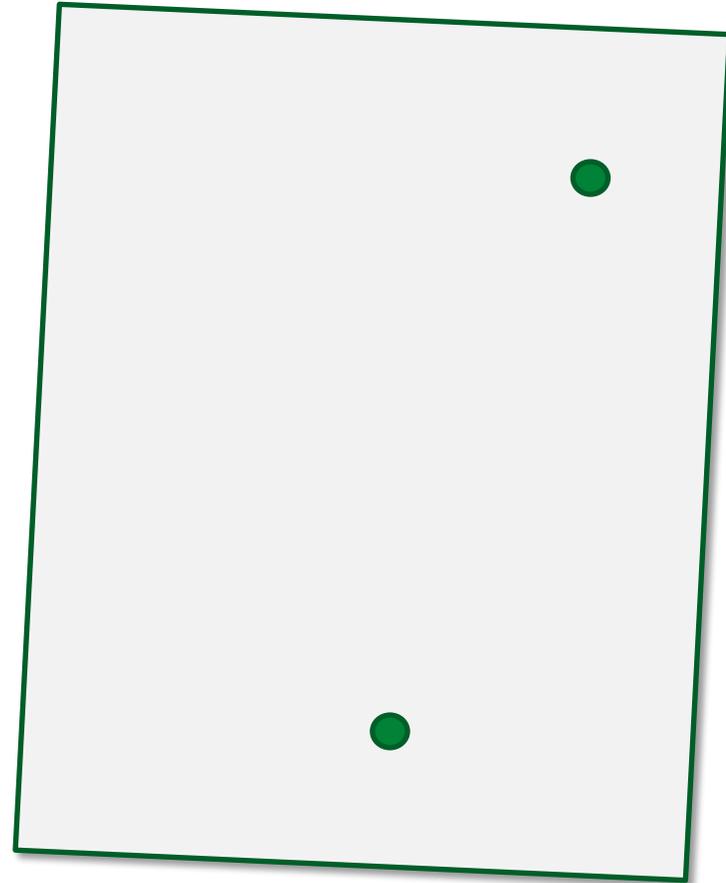
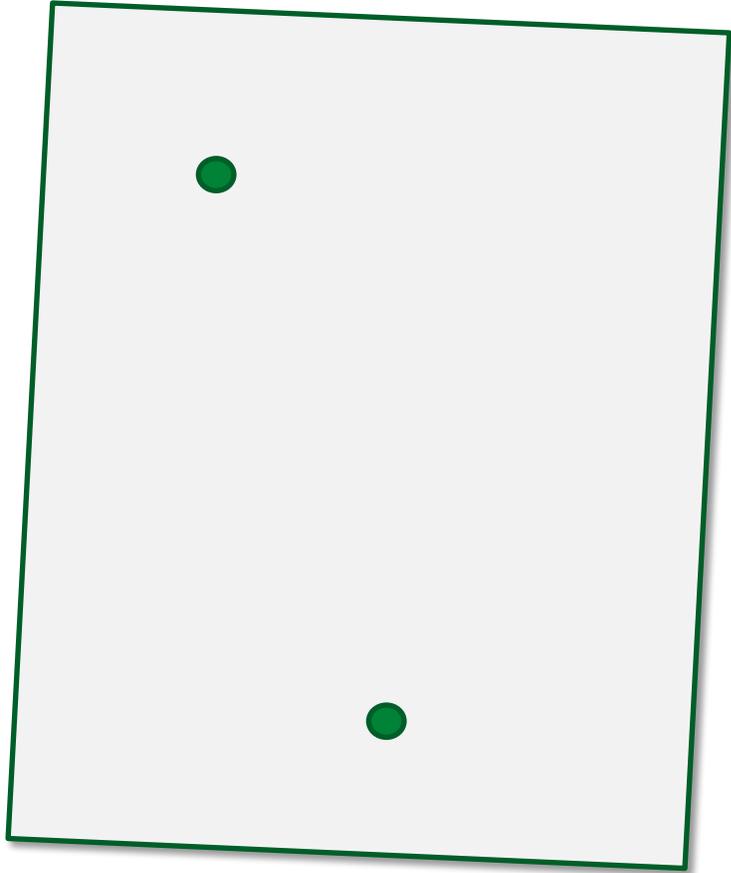
The word locus is used to describe the path a point can take

- Mark points on the fold line and measure distance to A and B – What do you notice?
- Draw a line connecting A and B. What do you notice?



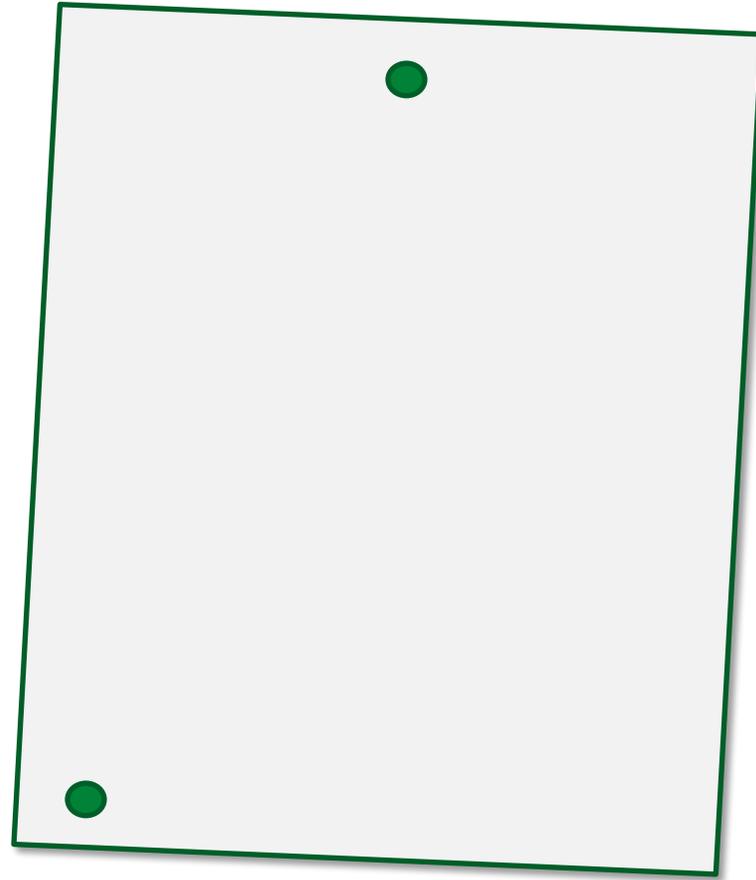
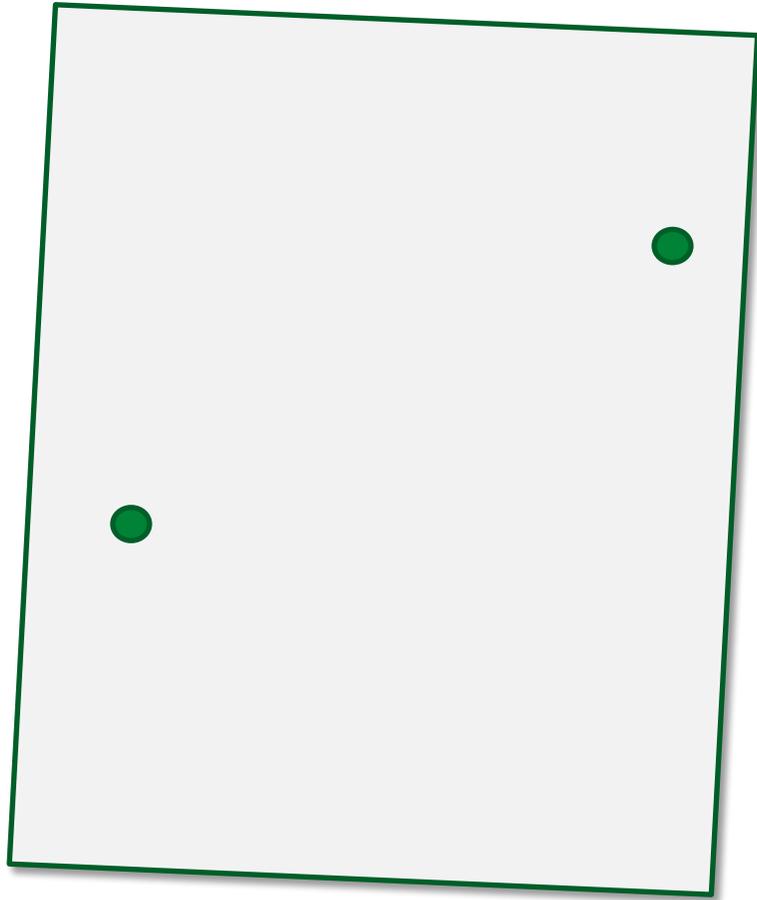
Independent task

Draw a locus of points that are equidistant from the points on each diagram



Independent task

Draw a locus of points that are equidistant from the points on each diagram



Explore

