

Drawing loci

You will need a pair of compasses and a ruler.

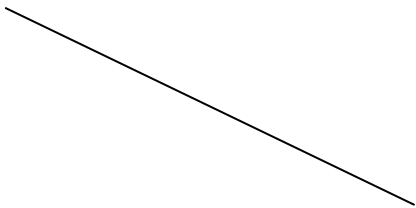
Imagine this dot is person A (the person who stood still in task 1).

Draw the path that person B walked as they kept 1 arm's length away.

(Use a scale of 1 arm's length = 3cm)



What do you notice?



Imagine this line is the line of people from task 2. Draw the path that the extra person walked around as they kept 1 arm's length away from the line.

(Use the same scale as above)

Extension: What about if your group had arranged themselves into the shapes on the back of this page? Try drawing the path you would have taken if you had to walk around them keeping exactly 1 arm's length away.

Super extension: What about other shapes? Try drawing your own shapes, then draw the path you would take around them?

