

Maths

Loci From a Line

Mr Bond



Loci from a line

1. Draw the locus of points that are 3 cm from the line segment AB.



2. Draw the locus of points that are 4.5 cm from the line segment XY.

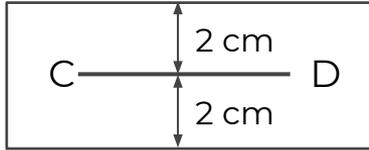


Loci from a line

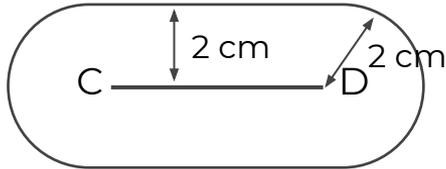
3. Seb and Sana have both drawn the locus of point that are 2 cm from the line segment CD.

Who is correct? Explain your answer.

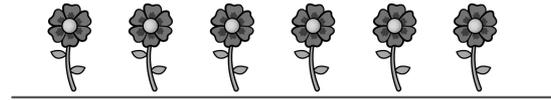
Seb



Sana



4. Simon wants to put a small fence exactly 1 metre around his flowers. Using a scale of 1 cm = 0.25 metres, draw the locus of points where Simon should put his fence.

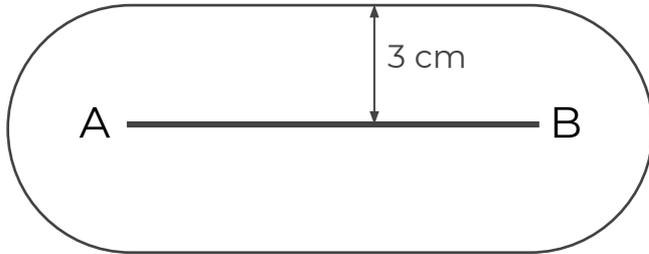


Answers

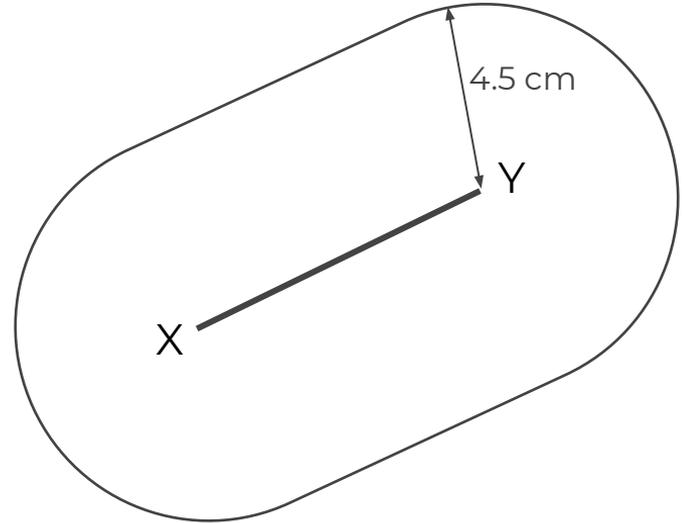


Loci from a line

1. Draw the locus of points that are 3 cm from the line segment AB.



2. Draw the locus of points that are 4.5 cm from the line segment XY.

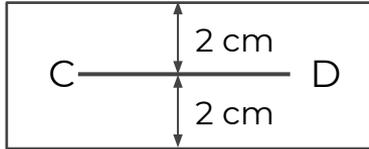


Loci from a line

3. Seb and Sana have both drawn the locus of point that are 2 cm from the line segment CD.

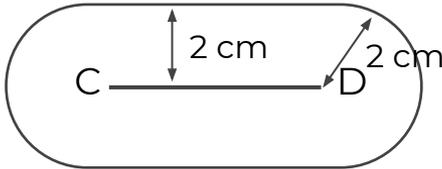
Who is correct? Explain your answer.

Seb



Sana is correct, Seb's will be more than 2 cm away from the line to the vertex of the rectangle

Sana



4. Simon wants to put a small fence exactly 1 metre around his flowers. Using a scale of 1 cm = 0.25 metres, draw the locus of points where Simon should put his fence.

