Maths

Loci Around a Point

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1. Which diagram shows the locus of points that are 2 cm from point A?

2. Draw the locus of points that are5 cm from point C

 C^{X}



Explain your answer.

2

3. Factory B can be built anywhere within a 20 mile radius of factory A. Using the scale 1 cm = 5 miles, draw the locus of points to define the region where factory B could be built. 4. A circular path around a pond is 2 metres wide. The pond has a diameter of 32 metres. Using the scale 1 cm = 4 m draw a diagram to show the locus of points to define where the path is.

Factory A ^X

Answers

1. Which diagram shows the locus of points that are 2 cm from point A?

Draw the locus of points that are
cm from point C



Explain your answer.

Diagram 2 because in diagram 1 the distance between point A and the vertex of the square will be more than 2 cm



3. Factory B can be built anywhere within a 20 mile radius of factory A. Using the scale 1 cm = 5 miles, draw the locus of points to define the region where factory B could be built.



4. A circular path around a pond is 2 metres wide. The pond has a diameter of 32 metres. Using the scale 1 cm = 4 m draw a diagram to show the locus of points to define where the path is.

