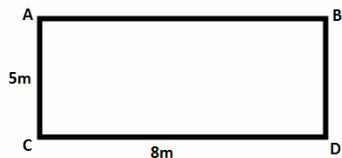


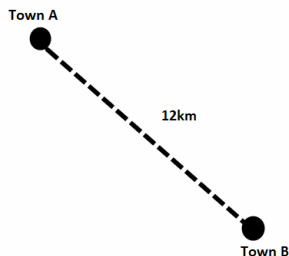
- (1) Draw an acute angle. Bisect the angle and write down the size of the 2 angles created.
- (2) Repeat question 1 twice more with different sized acute angles.
- (3) Draw the line AB and AC. Mark the locus of points that are equidistant from the two lines. (They meet at the point A).
- (4) Draw a line AB. Bisect the line. Measure the two sections and write down the length of each.
- (5) Repeat question 2 twice more with different sized lines.
- (6) Construct an equilateral triangle using a compass and pencil. (You can use a ruler to measure the base)
- (7) Draw a point x on the page. Show the locus of points 5cm from x.

(8) Below is the rectangle ABCD. Copy the rectangle in your book with 1cm = 1m



Find the locus of points that are at least 2m from A **and** closer to AC than BD.

(9) Part of a map is shown below.



Copy the map using an appropriate scale. Find the locus of points that are equidistant from Town A and Town B.

(10) Using the map above show the locus of points that are more than 8km from A **and** 6km from B

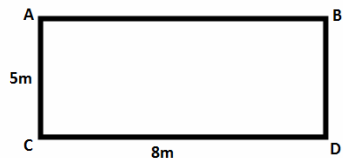
(11) Draw a line XY. Show the locus of points that are exactly 3cm away from the line XY.

(12) Construct a regular pentagon using a compass.

(13) A dog is on a rope that is 5m long. He can reach the back door of the house **and** the garden gate. Show the locus of points where the house and garden gate **could** be and find the maximum distance between the back door of the house and garden gate.

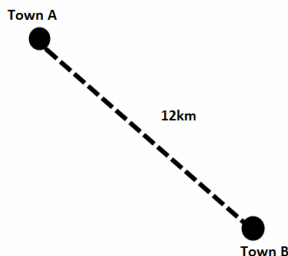
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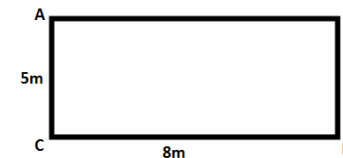
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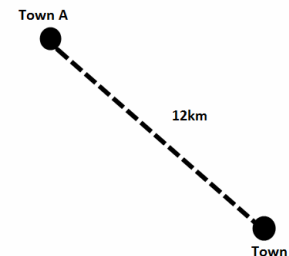
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