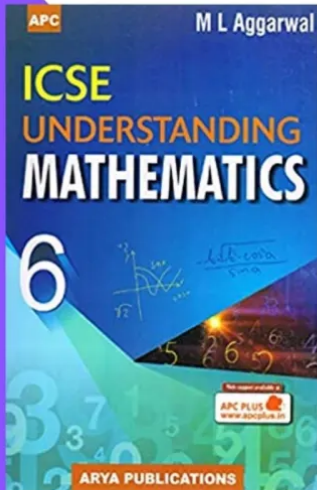


ML Aggarwal Solutions for Class 6 Maths

Chapter 13- Practical Geometry



www.indcareer.com/schools



ML Agrawal Solutions

CLASS 6 MATHS

Chapter 13: Practical
Geometry

For any clarifications or questions you can write to info@indcareer.com

Postal Address

IndCareer.com, 52, Shilpa Nagar, Somalwada Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888, **Website:** <https://www.indcareer.com> Class 8: Biology
Chapter 6 solutions. Complete Class 8 Biology Chapter 6 Notes.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

ML Aggarwal Solutions for Class 6 Maths

Chapter 13- Practical Geometry

Class 6: Maths Chapter 13 solutions. Complete Class 6 Maths Chapter 13 Notes.

ML Aggarwal Solutions for Class 6 Maths Chapter 13- Practical Geometry

ML Aggarwal 6th Maths Chapter 13, Class 6 Maths Chapter 13 solutions

1. Construct a circle of radius:

(i) 2 cm

(ii) 3.5 cm

Solution:-

(i) From the question it is given that radius of circle is 2 cm.

Steps to construct a circle,

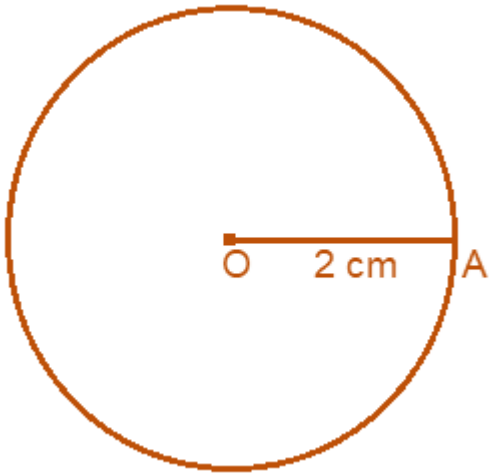
(a) Draw 2 cm line OA by using ruler.

(b) Then keeping the compass opened for the same length.

(c) Keep the pointer on O.

(d) Draw a circle using the pencil end of the compass.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

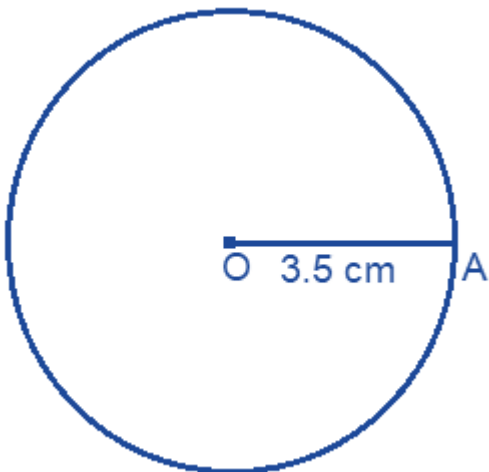


Therefore, this is the required circle of radius 2 cm.

(ii) From the question it is given that radius of circle is 3.5 cm.

Steps to construct a circle,

- (a) Draw 3.5 cm line OA by using ruler.
- (b) Then keeping the compass opened for the same length.
- (c) Keep the pointer on O.
- (d) Draw a circle using the pencil end of the compass.



Therefore, this is the required circle of radius 3.5 cm.

2. With the same center O, draw two circles of radii 2.6 cm and 4.1 cm.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

Solution:-

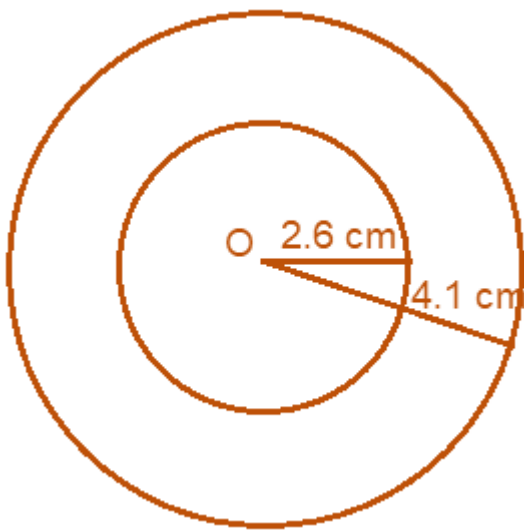
As per the condition given in the question, with the same center O, draw two circles of radii 2.6 cm and 4.1 cm

Steps to construct a circle,

- (a) Mark a point O.
- (b) Then keeping the compass opened for the length 2.6 cm by using ruler.
- (c) Keep the pointer on O.
- (d) Draw a circle using the pencil end of the compass.

Again, at the same point O.

- (b) keeping the compass opened for the length 4.1 cm by using ruler.
- (c) Keep the pointer on O.
- (d) Draw a circle using the pencil end of the compass.



Therefore, above figure is the required two circles at same point O of radius 2.6 cm and 4.1 cm.

3. Draw any circle and mark points A, B and C such that

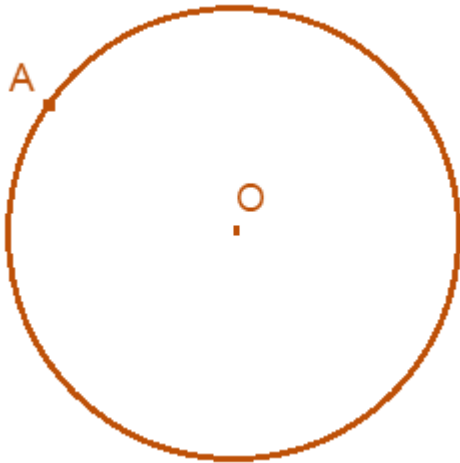
- (i) A is on the circle.
- (ii) B is in the interior of the circle.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

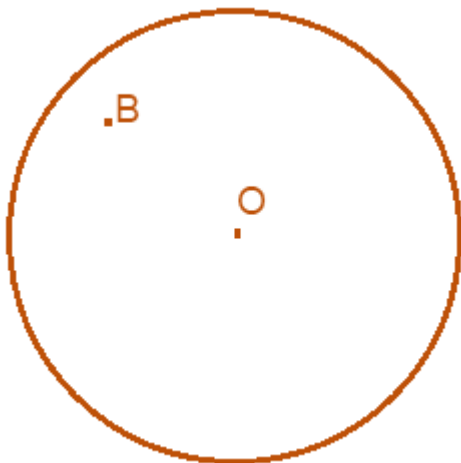
(iii) C is in the exterior of the circle

Solution:-

(i) A is on the circle.

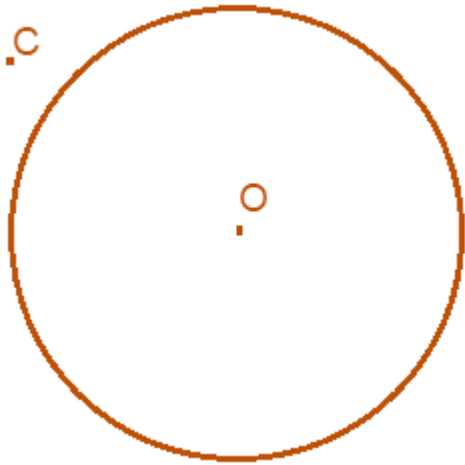


(ii) B is in the interior of the circle.



(iii) C is in the exterior of the circle

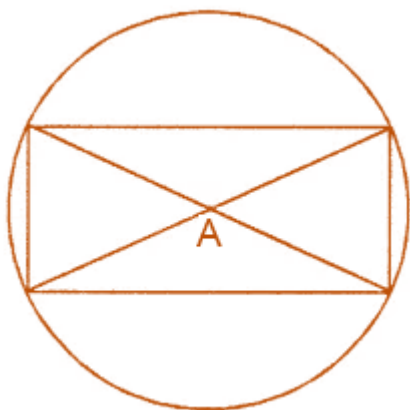
<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>



4. Draw a circle and any two of its (non-perpendicular) diameters. If you join the ends of these diameters, what is the figure obtained? What figure is obtained if the diameters are perpendicular to each other? How do you check your answer?

Solution:-

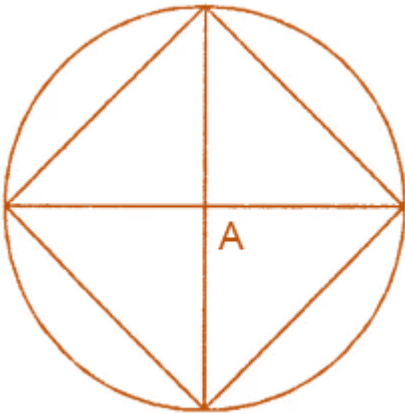
First we have to draw a circle and any two of its (non-perpendicular) diameters. Then joining the ends of the diameters, we get



Therefore, the obtained figure is rectangle.

Now, we have to draw a circle and the diameters are perpendicular to each other we get,

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

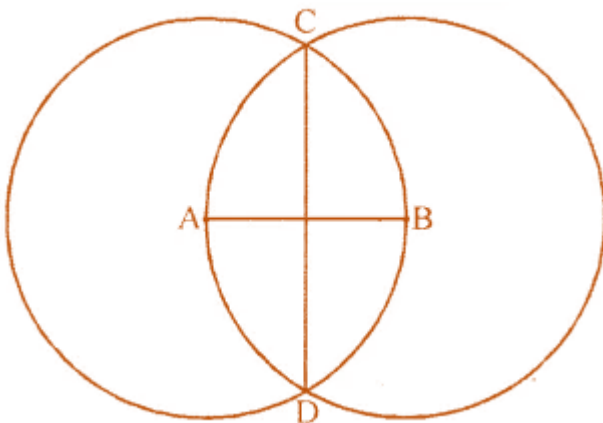


Therefore, the obtained figure is square.

5. Let A, B be the centers of two circles of equal radii; draw them so that each one of them passes through the center of the other. Let them intersect at C and D.

Examine whether $\angle A$ and $\angle B$ are at right angles.

Solution:-



By observing the figure we can say that, $\overline{AB}$ and $\overline{CD}$ are at right angles.

6. Construct a line segment of length of 6.3 cm using ruler and compass.

Solution:-

Let us assume P and Q are the two points.

Now, mark the two points by using the ruler 6.3 cm apart.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

Then, join PQ we get,

$\overline{PQ}$ is a line segment of length 6.3 cm.



ML Aggarwal Solutions Class 6 Maths

- Chapter 1- Knowing Our Numbers
- Chapter 2- Whole Numbers
- Chapter 3- Integers
- Chapter 4- Playing with Numbers
- Chapter 5- Sets
- Chapter 6- Fractions
- Chapter 7- Decimals
- Chapter 8- Ratio and Proportion
- Chapter 9- Algebra
- Chapter 10- Basic Geometrical Concept
- Chapter 11- Understanding Symmetrical Shapes
- Chapter 12- Symmetry
- Chapter 13- Practical Geometry
- Chapter 14- Mensuration
- Chapter 15- Data Handling

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

About ML Aggarwal

M. L. Aggarwal, is an Indian mechanical engineer, educator. His achievements include research in solutions of industrial problems related to fatigue design. Recipient Best Paper award, Manipal Institute of Technology, 2004. Member of TSTE.

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>

About IndCareer

IndCareer.com is a leading developer of online career guidance resources for the Indian marketplace. Established in 2007, IndCareer.com is currently used by over thousands of institutions across India, including schools, employment agencies, libraries, colleges and universities.

IndCareer.com is designed to assist you in making the right career decision - a decision that meets your unique interests and personality.

For any clarifications or questions you can write to **info@indcareer.com**

Postal Address

IndCareer.com
52, Shilpa Nagar,
Somalwada
Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888

Website: <https://www.indcareer.com>

<https://www.indcareer.com/schools/ml-aggarwal-solutions-for-class-6-maths-chapter-13-practical-geometry/>