



**Worksheet No.1**

**UTTARAKHAND STATE BOARD**

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**CLASS: 6<sup>th</sup>**  
**LESSON: Practical Geometry**

**DATE OF CREATION: October 4, 2020**  
**SUBJECT: Maths**

**QUESTIONS**

- 1. Which tool is used to draw straight lines?**  
a. Scale                      c. Protractor  
b. Compass                d. Divider
  
- 2. Which tool is used to measure angles?**  
a. Divider                      c. Scale  
b. Protractor                d. Compass
  
- 3. Rearrange the steps to draw a 5 cm radius circle using Compass:**
  1. Place the pointer of the compass on O.
  2. Turn the compass slowly to draw a circle.
  3. Open the compass for the required radius of 5 cm.
  4. Mark a point with a sharp pencil where you want the centre of the circle and name it as O.
  
- 4. Rearrange the steps to construct a line segment of a given length using a Ruler and a Compass:**
  1. AB is the line segment for required length.
  2. Draw a line  $l$ . Mark a point A on a line  $l$ .
  3. Place the pointer on A and swing an arc to cut  $l$  at B.
  4. Place the compass pointer on the zero mark of the ruler. Open it to the place the pencil points upto the required length, say 3.5 cm mark.
  
- 5. Rearrange the steps to construct a perpendicular (90 degree angle) using a Ruler and a Compass:**
  1. Give a point P on a line  $l$ .
  2. Join PQ. Then PQ is perpendicular to  $l$ .
  3. With P as a centre and a convenient radius, construct an arc intersecting the line  $l$  at 2 points A and B.



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4. With A and B as centres and a radius greater than AP, construct 2 arcs which cut each other at Q.