



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 03.04.21

Duration: 40 min

Worksheet 23

Full Marks: 15

BASIC CONSTRUCTION

Choose the Correct options:

1. What is an arc?
 - a. Part of a building
 - b. a part of a curve, especially a part of the circumference of a circle:
 - c. a luminous electrical discharge between two electrodes or other points
 - d. form an electric arc
2. What do you mean by radius of a circle?
 - a. Distance from centre to circumference of a circle
 - b. Distance from circumference to circumference
 - c. Distance from centre to a chord
 - d. Distance from chord to chord
3. Point of intersection is where
 - a. Two lines meet
 - b. Two arcs meet
 - c. An arc and a line meets
 - d. All of these
4. What is an angle bisector?
 - a. a line passing through the vertex of the angle that cuts it into two equal smaller angles.
 - b. a line passing through one arm of the angle that cuts it into two equal smaller areas.
 - c. a line passing through the vertex of the angle that cuts it into two unequal smaller angles.
 - d. None of these
5. Why is radius chosen as more than half in construction?
 - a. To ensure intersection
 - b. To ensure bisection
 - c. To allow the lines to pass
 - d. None of these
6. Name another word for perpendicular
 - a. normal
 - b. bisector
 - c. angle
 - d. transversal
7. What do you mean by a line segment?
 - a. Part of a line that is bounded by two distinct end points
 - b. line with no endpoints
 - c. line with one endpoints
 - d. None of these
8. Which tools are essential for geometrical construction?
 - a. ruler
 - b. compass
 - c. pencil
 - d. all of these

9. What is the function of a protractor?
- measuring angles
 - drawing angles
 - drawing lines
 - drawing circles
10. What is the function of a pencil compass?
- scribing circles or arcs of circles
 - telling direction
 - navigation
 - None of these
11. What is an angle bisector?
- a line passing through the vertex of the angle that cuts it into two equal smaller angles.
 - a line passing through one arm of the angle that cuts it into two equal smaller areas.
 - a line passing through the vertex of the angle that cuts it into two unequal smaller angles.
 - None of these
12. Why is radius chosen as more than half in construction?
- To ensure intersection
 - To ensure bisection
 - To allow the lines to pass
 - None of these
13. What do you mean by a perpendicular?
- 0°
 - 45°
 - 90°
 - 180°
14. What is the function of a protractor?
- measuring angles
 - drawing angles
 - drawing lines
 - drawing circles
15. What are parallel lines?
- Two lines in the same plane that are at equal distance from each other and never meet.
 - Two lines in the same plane that are at unequal distance from each other and never meet.
 - Two lines in the same plane that are at unequal distance from each other and always meet.
 - None of these