

Topic: Geometry – Lines and Angles

Marks: 20 Instructions: Choose the correct option. Each question carries 1 mark.

1. A point has how many dimensions?
A) 1 B) 2 C) 3 D) 0
2. A line has:
A) One endpoint B) Two endpoints C) No endpoint D) Three endpoints
3. A line segment has:
A) No endpoint B) One endpoint C) Two endpoints D) Three endpoints
4. A ray has:
A) No endpoint B) One endpoint C) Two endpoints D) Three endpoints
5. Which of the following represents a line segment?
A) AB B) $\leftrightarrow$ AB C) $\rightarrow$ AB D) A point
6. Which geometrical figure extends endlessly in both directions?
A) Ray B) Line segment C) Line D) Point
7. A ray extends endlessly in:
A) Both directions B) One direction C) No direction D) Three directions
8. A solid has how many dimensions?
A) 0 B) 1 C) 2 D) 3
9. Which of the following is a three-dimensional object?
A) Point B) Line C) Square D) Cube
10. An angle measuring less than 90° is called a:
A) Right angle B) Obtuse angle C) Acute angle D) Straight angle
11. An angle measuring exactly 90° is called a:
A) Acute angle B) Right angle C) Obtuse angle D) Reflex angle
12. An angle measuring more than 90° but less than 180° is called a:
A) Acute angle B) Right angle C) Obtuse angle D) Straight angle
13. An angle measuring exactly 180° is called a:
A) Straight angle B) Right angle C) Acute angle D) Reflex angle
14. An angle measuring more than 180° but less than 360° is called a:
A) Acute angle B) Obtuse angle C) Reflex angle D) Right angle

15. What is the measure of a complete angle?

A) 90° B) 180° C) 270° D) 360°

16. If two angles form a straight angle and one angle is 70° , what is the other angle?

A) 90° B) 100° C) 110° D) 120°

17. Two angles together make 90° . If one angle is 35° , what is the other angle?

A) 45° B) 55° C) 65° D) 75°

18. Two angles on a straight line are 120° and x° . Find x .

A) 40° B) 50° C) 60° D) 70°

19. An angle is divided into two parts. One part is 40° and the other is 50° . What is the total angle?

A) 80° B) 90° C) 100° D) 110°

20. An angle is 150° . Which type of angle is it?

A) Acute angle B) Right angle C) Obtuse angle D) Straight angle