ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Subject- Mathematics **Answers of Worksheet- 13** **Class – 5**
Date -23.04.2020
Chapter- Geometry

Q Answer the following questions (MCQ) : (1×15):

Q1. A circle of radius r cm has diameter of length
(a) r cm
(b) 2r cm
(c) 4r cm
(d) r/2 cm

Solution:

The option (b) is the correct answer.

A circle of radius r cm has diameter of length 2r cm.

2. A chord of a circle passing through its centre is equal to its
(a) radius
(b) diameter
(c) circumference
(d) none of these

Solution:

The option (b) is the correct answer.

A chord of a circle passing through its centre is equal to its diameter.

3. The total number of diameters of a circle is
(a) 1
(b) 2
(c) 4
(d) uncountable number

Solution:

The option (d) is the correct answer.

The total number of diameters of a circle is uncountable number.

4. By joining any two points on a circle, we obtain its
(a) radius
(b) diameter
(c) chord
(d) circumference

Solution:

The option (c) is the correct answer.

By joining any two points on a circle, we obtain its chord.

5. The longest chord of a circle is equal to its
(a) radius
(b) diameter
(c) circumference
(d) perimeter

Solution:

The option (b) is the correct answer.

The longest chord of a circle is equal to its diameter.

6. How many circles can be drawn to pass through two given points?
(a) 1
(b) 2
(c) 0
(d) As many as possible

Solution:

The option (d) is the correct answer.

Many circles can be drawn to pass through two given points.

7. How many circles can be drawn to pass through three non-collinear points?
(a) 1
(b) 2
(c) 0
(d) As many as possible

Solution:

The option (a) is the correct answer.

The number of circles which can be drawn that pass through three non-collinear points is 1.

8. Total number of parts of a triangle is
(a) 3
(b) 6
(c) 9
(d) 1

Solution:

The option (b) is the correct answer.

Total number of parts of a triangle is 6.

9. A perpendicular drawn from a vertex to the opposite side of a triangle is known as
(a) an altitude
(b) a median

(c) an angle bisector
(d) a bisector

Solution:

The option (a) is the correct answer.

A perpendicular drawn from a vertex to the opposite side of a triangle is known as an altitude.

10. A triangle
(a) may not have an altitude
(b) can have at most 3 altitudes
(c) has three altitudes
(d) has only one altitude

Solution:

The option (c) is the correct answer.

A triangle has three altitudes.

11. Line segments joining the vertices to the mid-points of the opposite sides of a triangle are known as
(a) medians
(b) altitudes
(c) heights
(d) angle bisectors

Solution:

The option (a) is the correct answer.

Line segments joining the vertices to the mid-points of the opposite sides of a triangle are known as medians.

12. A triangle whose no two sides are equal is known as
(a) an acute triangle
(b) a scalene triangle
(c) an isosceles triangle
(d) an equilateral triangle

Solution:

The option (b) is the correct answer.

A triangle whose no two sides are equal is known as a scalene triangle.

13. A triangle whose two sides are equal is known as
(a) acute triangle
(b) an isosceles triangle
(c) a scalene triangle
(d) an isosceles triangle

Solution:

The option (b) is the correct answer.

A triangle whose two sides are equal is known as an isosceles triangle.

14. A triangle whose all sides are equal is called
(a) an equilateral triangle
(b) an acute triangle
(c) a right triangle
(d) an isosceles triangle

Solution:

The option (a) is the correct answer.

A triangle whose all sides are equal is called an equilateral triangle.

15. The sum of the length of sides of a triangle is known as its
(a) area
(b) height
(c) perimeter
(d) region

Solution:

The option (c) is the correct answer.

The sum of the length of sides of a triangle is known as its perimeter.

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