



ST. LAWRENCE HIGH SCHOOL



TOPIC- Area and Perimeter (Circle)

CLASS:9

Sub: Mathematics

F. M. 15

WORK SHEET NO. -15

Solution

Date: 23.4.2020

Q.1) Choose the correct options: 1x15=15

- i) The circumference of a circle whose radius is 14cm will be
 - a)88cm
- ii) If the circumference of a circle is 44cm then it's radius is
 - b)7cm
- iii) If the perimeter of a semi-circle is 180m then it's diameter will be
 - a) 70m
- iv) If the difference between the circumference and diameter of a circle is 60 units the radius of the circle is _____ units.
 - c)28
- v) What is the ratio of the circumference and diameter of a circle?
 - a) 22:7
- vi) What is the radius of a circle whose difference of circumference and diameter is 30cm?
 - a) 7cm
- vii) To make a circular ring of radius 35m the length of the wire required is _____ meters.
 - b)220
- viii) The Perimeter of a semi-circular field is 108m. The diameter of the field will be
 - a)42m
- ix) If the circumference of a circle is less than its area then its radius will be _____ than 2.
 - a)greater
- x) If the perimeter of a square is equal to the perimeter of a circle then the area of the square will be _____ than the area of the circle.
 - b)less
- xi) The ratio of the radii of two wheels is 2:5 then the ratio of their circumference is
 - d)2:5.
- xii) How many times will the wheel of a car rotate in a journey of 88km, if the diameter of the wheel is 56cm?
 - c)50000
- xiii) A well of diameter 150cm has a stone parapet around it. If the length of the outer edge of the parapet is 660cm then the width of the parapet is
 - d)30cm
- xiv) If the diameter of a semi-circular protracted is 14cm then its perimeter will be
 - d)36cm
- xv) A wire is in the form of a circle of radius 21cm. If it is bent into an equilateral triangle then the side of the triangle will be
 - c)44cm

