

Area and Perimeter: Worksheet -5

1. The difference between circumference and radius of a circle is 37m.
The circumference of that circle is []
- a] 7m b] 44m c] 154m d] None of these
2. If the circumference of a circle is $\frac{30}{\pi}$, the diameter of the circle is
- a] 60π b] $\frac{15}{\pi}$ c] $\frac{30}{\pi^2}$ d] 30 []
3. If the circumference and the area of a circle are numerically equal, then what is the numerical value of diameter? []
- a] 1 b] 2 c] 4 d] π
4. The area of a square field whose diagonal of length 10 m is []
- a] 100 sq. m b] 150 sq. m c] 50 sq. m d] 200 sq. m
5. The perimeter of a square field whose diagonal is $6\sqrt{2}$ m is []
- a] 6 m b] 12 m c] 18 m d] 24 m
6. The area of a square field 7200 sq. m. The time taken by a man to cross the field diagonally at the rate of 2 kmph is []
- a] 0.05h b] 0.04h c] 0.06h d] 0.07h
7. The radius of a circle is doubled. Then the ratio of the area of the new circle to the area of the given circle is []
- a] 1: 1 b] 2: 1 c] 1: 4 d] 4: 1
8. The area of a circle is 38.5 cm^2 its circumference is _____



9. If the radius of a circle is reduced by 50% its area reduced by _____
10. If the diameter of a circle is increased by 100% its area increased by _____
11. The difference between the radii of two concentric circles is _____
12. The ratio of diameter of a circle and its circumference is _____
13. The diameter is _____ times of its radius.
14. If the perimeter of a sector is "p" units and its radius is r^{th} units. Then its area is _____
15. The angle of a sector with its area $\frac{1}{3}$ of area of circle is _____



Third Apple

