

Class 7

Date:10-8-2023

Topic: Square and Square root, Circumference of a circle

Question no 1.

Choose the best option?

- 1) The number 4 is represented as 2×2 . Find the number which won't be expressed as product of similar numbers?
a) 225 b) 361 c) 39 d) 169
- 2) Simplified form of $\sqrt{900} + \sqrt{9} + \sqrt{0.09}$ is?
a) 333 b) 33.3 c) 3.33 d) 0.333
- 3) If Ali covers 44m in 1 round around a circular track then distance from center to edge of the track is -----
a) 7m b) 70m c) 11m d) 44m
- 4) Distance covered by an Hour hand in 4 hours is?
a) $4 \times C$ b) $C \div 4$ c) $C \div 3$ d) $3 \times C$
- 5) If $\frac{x}{\sqrt{16}} = \sqrt{\frac{9}{16}}$ then value of x is?
a) 9 b) $\sqrt{9}$ c) 9^2 d) none of these

Question no 2.

Fill in the blanks?

- 1) The perimeter of a circle having a radius 4 cm is 16cm. then perimeter of a quarter circle is _____.
- 2) Square root of 0.00001369 contains _____ digits.
- 3) If Area of square plot is 4m^2 . Then perimeter of square plot is _____.
- 4) The diameter of a bicycle wheel is 7m. In _____ revolutions the wheel of bicycle travel 220m.
- 5) 625 soldiers are arranged in an auditorium in such a manner that there are as many soldiers in a row as there are rows in the auditorium. The number of rows are _____.

Question no 3.

Identify true or false?

- 1) $\sqrt{121 + 49} = \sqrt{121} + \sqrt{49}$ **True / False**
- 2) The least number that must be subtracted from 90 to get a perfect square is 9. **True / False**
- 3) Square root of multiplicative identity is 1. **True / False**
- 4) A bicycle tire has a circumference of 14cm. It will cover 280 cm distance in 20 revolutions.
True / False
- 5) $(0.05)^2 > 0.05$ **True / False**

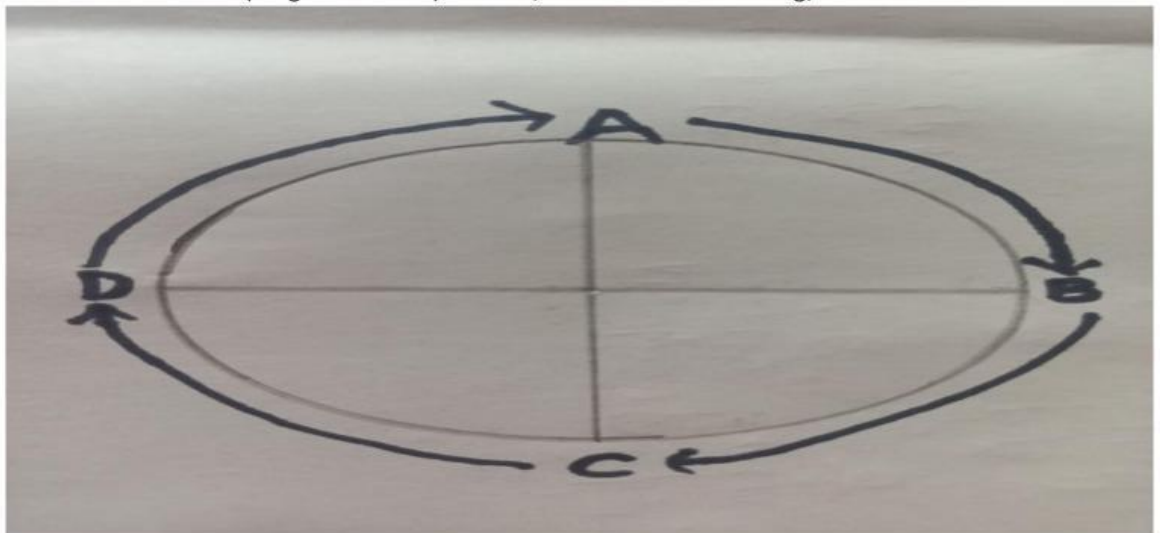
Question no 5.

Match the column A with column B?

Column A	Column B
1) 9	$(-1)^2$
2) 225	Square of -15
3) $\sqrt{1}$	Length of each side of square
4) Perimeter of semicircle	Square of square root of 9
5) Square root of area of square	$C/2 + d$

Question no 6.

Distance from A to B (length of arc AB) is 44cm, then find the following;



- 1) Distance from B to C _____
- 2) Distance from C to D _____

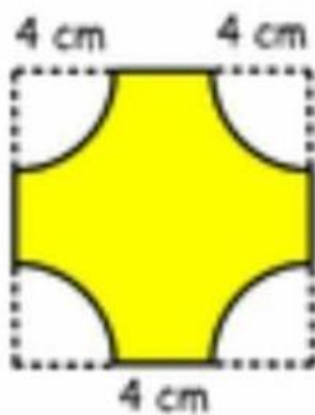
- 3) Distance from D to A_____
- 4) Distance from A to C_____
- 5) Distance from C to A_____
- 6) Distance from A to A_____

Question no 7:

By which smallest number 1323 be divided to get a perfect square?_____

Question no 8:

Find the perimeter of the given figure?



Formula for perimeter=4 times of _____+4 times of 4

$$=C+ \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}} +16 \text{ (according to given value in figure)}$$

$$= \underline{\hspace{2cm}} +16$$

$$= \underline{\hspace{2cm}}$$

Question no 10:

Find the error in the following situation?

Alia found the area of square of length 5.2cm as follows:

$$2 \times 5.2 \text{ cm} = 10.4 \text{ cm}^2$$

What is the mistake she made?_____