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 2x2. 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 √900 +√9 + √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) 4xC b) C÷4 c) C÷3 d) 3xC

5) If $\frac{x}{\sqrt{16}} = \sqrt{\frac{9}{16}}$ then value of x is?

a) 9 b) √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 _____.

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Question no 3.

Identify true or false?

1) $\sqrt{121+49}$= √121+√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**

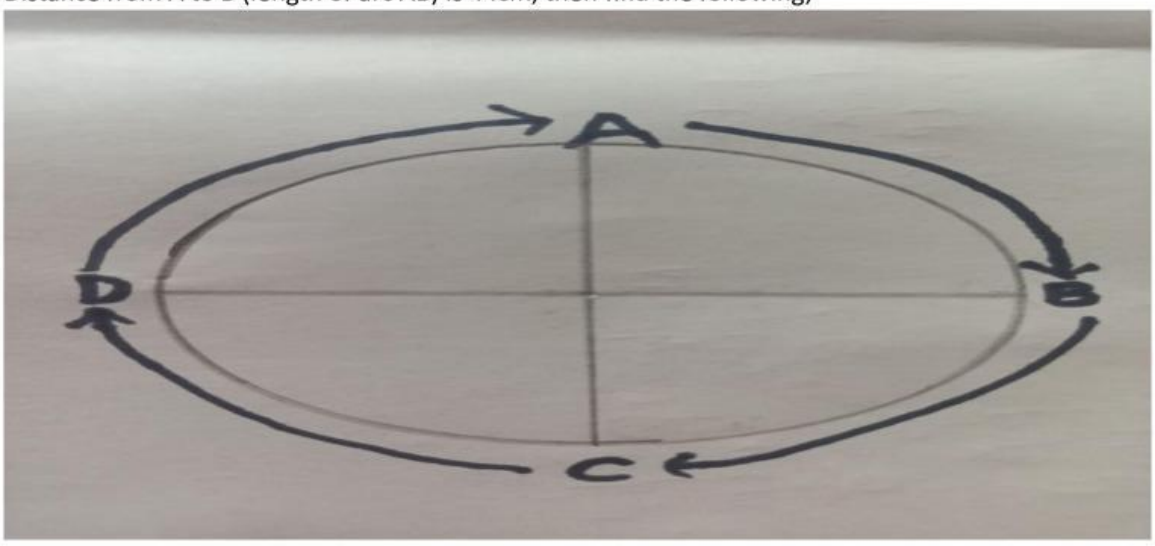
Question no 5.

Match the column A with column B?

Column A	**Colum B**
1) 9	$(-1)^2$
2) 225	Square of -15
3) √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_____

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3) Distance from D to A_____

4) Distance from A to C_____

5) Distance from C to A_____

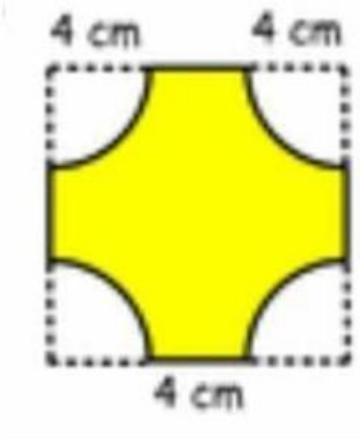
6) Distance from A to A_____

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+_____

=_____+16 (according to given value in figure)

=_____+16

=_____

Question no 10:

Find the error in the following situation?
Alia found the area of square of length 5.2cm as follows:
2 x 5.2 cm=10.4 cm^2
What is the mistake she made?_____

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