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**K.P.C. PUBLIC SCHOOL, KHARGHAR**

**Assessment I 2022-2023**

**GRADE: VII MARKS: 40**

**SUB: MATHS TIME: 2 HRS**

 **Q1: CHOOSE THE CORRECT OPTIONS: 6 M**

1. Sum of an integer and its additive inverse is always \_\_\_\_\_\_\_\_\_.
2. Positive b. 0 c. Negative
3. Complete the sequence -8000, -4000, \_\_\_\_\_\_, 4000, \_\_\_\_\_.
4. 2000,1000 b. -3000,3000 c. 0, 8000
5. Reciprocal of 10 is \_\_\_\_.
6. $\frac{1}{10}$ b. 10 c. 0
7. An equilateral triangle has \_\_\_\_ lines of symmetry.
8. Three b. Five c. Two
9. The order of rotation of a circle is \_\_\_\_\_.
10. 5 b. 1 c. Infinite
11. 0.01 x 0.00001= \_\_\_\_\_\_.
12. 0.1 b. 0.001 c. 0.0000001

 **Q2: SOLVE THE FOLLOWING 5 M**

1. Multiply (-10) x 5 x (-3)
2. Write the expanded form of 2.5081
3. Write the expanded form 50+8+0.2+0.005 as decimal number
4. Find the product of 2.053 x 1000
5. Draw a quadrilateral which has two lines of symmetry.

**Q3: SOLVE THE FOLLOWING ACTIVITY 6 M**

1. Vaibhav is an enthusiastic sport boy while practicing long jump he manage 90cm on the first day, second day onwards he manages to jump 2 cm longer than the previous day and so on. On the sixth day how long did he jump?

Solution: -

 On first day Vaibhav jumped 90cm

Second day \_\_\_\_\_ = \_\_\_\_ cm

Third day 92+2=94 cm

Fourth day \_\_\_\_\_\_ = \_\_\_\_\_cm

Fifth day 96+2=98cm

Sixth day \_\_\_\_\_\_\_ = \_\_\_\_\_ cm

Vaibhav jumped \_\_\_\_\_ cm long on sixth day

1. Divide $\frac{2}{3}$ ÷ $\frac{10}{9}$

Solution: $\frac{2}{3}$ ÷ $\frac{10}{9}$

= $\frac{2}{3}$ x reciprocal of $\frac{}{}$

= $\frac{2}{3} $x $\frac{}{}$ = $\frac{18}{}=\frac{}{}$

1. Complete the following figures by drawing a symmetrical figure on the other side of the line of symmetry.

**Q4. EVALUATE THE FOLLOWING: [Any 4] 8 M**

1. Simplify the following:
2. (8.21+5) – 13.5
3. 43.086 + 15.792
4. The product of two number is $\frac{5}{6}$. If one of the numbers is $\frac{7}{2}$, find the other number.
5. Find the weight of 230 marbles if each marble weighs $10\frac{1}{2}$ grams.
6. Find 2 x (-5) using the number line.
7. Divide 17.628 by 1.3

**Q5. EVALUATE THE FOLLOWING: [Any 3] 9 M**

1. [ -437 – 1 + 8] + [234 – (-10)] – [15 + (-17)]
2. Find the area of square park with side $15\frac{1}{5}m$.
3. Write the centre of rotation, direction of rotation and order of rotation for the following figure.



1. [ $2\frac{1}{7} x 1\frac{3}{46} ] ÷[ \frac{18}{23} x\frac{5}{7} ]$
2. (-2) x (-3) x (-4) x (-5) x (-6)

**Q6. SOLVE THE FOLLOWING [Any 2] 6 M**

1. A fan rotates at the speed of 123.5 rotation per minute. If the speed of a regulator is adjusted to increase the speed of a fan 3.5 times, find the number of rotations per minute of the fan.
2. Vineet’s mother gave him ₹ 200. He brought a book of ₹ 158.50, a pen for ₹ 15.50 and a paper folder of ₹ 20.50. how much money did he gave to the shopkeeper? How much money is left with him?
3. Varsha bought 7kg 10g rice and 1 kg 500g wheat. Rita bought 5 kg 400g rice and 3 kg 600g wheat. Find which one of them bought more rice and wheat together?
4. The weight of the box is $7\frac{2}{3}$ kg. How many boxes can be shipped if a boat can carry a weight of 690kgs?