

KENDRIYA VIDHYALAYA, KHAMMAM

PERIODIC TEST – I (2017-18) CLASS: VIII

TIME: 90 MINS

MAX.MARKS: 40

SUB: MATHEMATICS

CLASS: VIII

I.MULTIPLE CHOICE QUESTIONS

(5X1=5)

1. Which of the following is the additive identity for a rational number_____ []
a) 0 b) 1 c) $1/2$ d) 2
2. What is the reciprocal of $8/21$ is_____ []
a) $-8/21$ b) $21/8$ c) $8/21$ d) 0
3. The highest power of a variable of a linear expression is _____ []
a) 0 b) -1 c) 1 d) $1/2$
4. The sum of two adjacent angles of a parallelogram are _____ []
a) 180 b) 360 c) 540 d) 0
5. The sum of the measures of the exterior angles of a polygon_____ []
a) 360 b) 180 c) 120 d) 90

II. VERY SHORT ANSWER QUESTIONS

(4X2=8)

1. Find two rational numbers between $1/4$ and $1/2$.
2. Find the number of sides of a regular polygon whose each exterior angle has a measure of 45 Degrees.
3. Represent the numbers on the number line.
i) $3/2$ ii) $-7/6$
4. Find y $15(y-4) - 2(y-9) + 5(y+6) = 0$.

III. SHORT ANSWER QUESTIONS

(5X3=15)

1. Write all the properties of a Parallelogram.
2. The sum of three consecutive multiples of 8 is 888.Find the multiples.
3. Explain Rational number, Positive rational number and Negative rational number with an example.

4. Construct a quadrilateral where $AB=5\text{cm}$, $BC=5.5\text{ cm}$, $CD=6\text{cm}$, $AD=7\text{cm}$ and measure $AC=?$
5. The ages of Asha and Usha are in the ratio 5: 7. Four years from now the ratio of their ages will be 3:4.Find the present ages

IV. LONG ANSWER QUESTIONS

(3 x 4 = 12)

1. Solve a) $3(t-3)=5(2t+1)$ b) $3x=2x+18$
2. What are a Polygon, Diagonal, Regular Polygon, and Quadrilateral?
3. The denominator of a rational number is greater than its numerator by 8.If the numerator is increased by 17 and the denominator is decreased by 1, the number obtained is $\frac{3}{2}$.Find the rational number.