



KENDRIYA VIDYALAYA, KHAMMAM

FORMATIVE ASSESSMENT –I (2016-17)

CLASS: VIII

SUB: MATHS

TIME: 90 MINS

MAXIMUM MARKS: 40

I. MULTIPLE CHOICE QUESTIONS

5X1=5

1. Which of the following is the multiplication 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) $7/4$ ii) $-5/6$
4. Find y $15(y-4) - 2(y-9) + 5(y+6) = 0$.

III.Short answer questions

5X3=12

1. Write all the properties of a Parallelogram.
2. The sum of three consecutive multiples of 11 is 363.Find the multiples.
3. Explain Rational number, Positive rational number and Negative rational number with an example.
4. Find the value of $X + Y + Z$

14. 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 $5x - 2(2x - 7) = 2(3x - 1) + 7/2$.
2. What is 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 $3/2$.Find the rational number.

BLUEPRINT

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S.NO	CHAPTER NAME	MCQ	VSA	SA	LA	TOTAL MARKS
1	RATIONAL NUMBERS	2(1)	2(2)	1(3)		9
2	LINEAR EQUATION IN ONE VARIABLE	1(1)	1(2)	2(3)	2(4)	16
3	UNDERSTANDING QUADRILATERALS	2(1)	2(2)	2(3)	1(4)	15
	TOTAL	5(1)	4(2)	5(3)		40