**SAINIK SCHOOL GOPALGANJ**

**SUMMER VACATION ASSIGNMENT**

**SUBJECT: MATHEMATICS**

**CLASS: IX**

**Chapter: 1**

**Real Number**

1. To represent √34 on number line using graph paper.

2. Which of the following numbers can be represented as non-terminating, repeating decimals?

1. 39/24
2. 3/16
3. 3/11
4. 137/25

3. The numbers of consecutive zeros in 23x34x54x7, is

1. 3
2. 2
3. 4
4. 5

4. If 8x+1=64, what is the value of 32x+1?

1. 1
2. 3
3. 9
4. 27

5. If (23)2=4x, then 3x=

1. 3
2. 9
3. 27
4. 6

6. Plot 3.777785 by successive magnification.

7. Convert the following in p/q form

(a) 1.6745

(b) 1.341567………..

8. Find six rational numbers between 3 and 4.

9. Find five rational numbers between 3/5 and 4/5.

10. Write the following in decimal form and say what kind of decimal expansion each has  
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11. Express the following in the form pq where p and q are integers and q ≠ 0.  
(i) 0.6¯  
(ii) 0.47¯  
(iii) 0.001¯

12. Classify the following numbers as rational or irrational  
(i) √23  
(ii) √225  
(iii) 0.3796  
(iv) 7.478478…..  
(v) 1.101001000100001………

13. Visualise 3.765 on the number line, using successive magnification.

14. Simplify each of the following expressions  
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15. Rationalise the denominator of the following  
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16. Find:  
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17. Simplify:  
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