DELHI PUBLIC SCHOOL, SRINAGAR

MATHEMATICS WORKSHEET

CLASS VII

Q1. Which of the following are rational numbers?

 -3 , 5/7 , 0 , 5/9 , -1/2 , -11 , -3/6

Q2. Represent the rational numbers on the number line:

 -3 1/3 , 7/4 , -4 5/8

Q3. By what number should 39 be multiplied so that the product is 3.

Q4. Simplify and find the value of x:

1. [(-31)3]0 = (-31)x b) (3/4)7 × (3/4)12 = (3/4)x

Q5. Find the value of expression when x= -3

1. X2 + 4x + 4 b) x2 – 3x + 225

Q6. Divide 243 into three parts such that half of the first part , one – third of the

 second part and one – fourth of the third part shall be equal.

Q7. A is 4 years older than B , and half of A’s age exceeds one – sixth of B’s age

 by 8 years. Find their ages.

Q8. Aneeta bought a dress for her sister at discount of 25%, the previous marked

 price is Rs1245. Find the amount she has to pay after the discount.

Q9. Find the simple interest and amount of:

1. Rs 200 for 2 years @ 4% b) Rs 4000 for 3 ½ years @6%

Q10. Draw an equilateral acute triangle , draw a perpendicular from each vertex.

 Measure the angles of each altitude.