

**INTERNATIONAL INDIAN SCHOOL, RIYADH.**  
**SAI WORKSHEET-2015-16**

**SUBJECT: Mathematics**

**STD: IX**

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**NUMBER SYSTEM:**

1 Write two rational and irrational numbers between 2.3 and 2.5

2 Write three rational and irrational numbers between  $\frac{1}{3}$  and  $\frac{1}{2}$ .

3 Write two rational and irrational numbers between  $\sqrt{5}$  and  $\sqrt{6}$ .

4 Write a rational number between x and y where  $x < y$

5 Express 0.0045 in simplest  $\frac{p}{q}$  form.

6 Write the following in simplest  $\frac{p}{q}$  form

1)  $3 \cdot \overrightarrow{732}$

2)  $4 \cdot 3 \overrightarrow{59}$

7 Write the simplest rationalizing factor of  $\sqrt{54}$

8 Write the simplest rationalizing factor of  $\sqrt[3]{24}$ .

9 Simplify 1)  $(5 + \sqrt{7})(\sqrt{7} - 8)$  2)  $\sqrt{147} + \sqrt[3]{27} - \sqrt{9} - \sqrt{48}$

10 Write two rational numbers between  $\frac{1}{7}$  and  $\frac{2}{7}$

11 If  $a = 2 + \sqrt{3}$  find the value of  $(a + \frac{1}{a})$