



S.Thomas' College – Mount Lavinia
School Base Assessment 01

Maths

Real Numbers

Marks

10

Grade 11

01. Define Rational Numbers.

02. Define Irrational Numbers.

03. $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ Write down two names of these numbers.

04. If $\sqrt{50} = P\sqrt{2}$ Find P

05. Which one is intire surd related to $3\sqrt{5}$

(i) $\sqrt{15}$

(ii) $\sqrt{75}$

(iii) $\sqrt{30}$

(iv) $\sqrt{45}$

06. Simplify $5\sqrt{2} + 4\sqrt{3} - 2\sqrt{3} + \sqrt{3}$

07. Simplify $2\sqrt{3} \times 4\sqrt{3}$

08. $\frac{6}{\sqrt{3}}$ Rationalise the denominator

09. If $(7 - \sqrt{3})(7 + \sqrt{3}) = K$ Find value of K

10. If $\sqrt{2} = 1.44$ Find value $\frac{8}{\sqrt{2}}$