



Nalanda College – Colombo 10

Unit Test

Mathematics – 2020

Grade - 8

Time – 01 hours

10 - Indices

(1) Complete the following table.

Index \ Base	() ¹	() ²	() ³	() ⁴	() ⁵	() ⁶	() ⁷	() ⁸
2								
3								
4								
5								
6								
7								
8								
9								
10								

- (2) (i) What is the third multiple of 4 ?
- (ii) What is the third power of 4 ?
- (iii) What is the difference between third power and multiple of 4 ?

(3) (i) Fill the following boxes using suitable numbers

$$2^{\square} = 4^{\square}$$

- (ii) What is the third multiple of 12 ?
- (iii) What is the third power of 12 ?

(4) Fill in the blanks.

(i) $(\text{-----}^3) + (\text{-----}^3) = 35$

(ii) $(\text{-----}^2) + (\text{-----}^2) = 41$

(iii) Write 72 in index notation as a product of powers with its prime numbers.

(iv) Find the value of $2^4 \times 5^2 = \text{.....}$



agaram.lk