CARMEL ENGLISH SCHOOL,KALLATA

(Secondary & Senior Secondary School, Affiliated to CBSC, New Delhi)

COVID-19 HOLIDAY HOME ASSIGNMENT
SUBJECT: SCIENCE / mathematics

Date : 15-21 APRIL 2020

MATTER IN OUR SURROUNDINGS

Part 1
Chapter 1: Matter in our surrounding| Class 9 Sci…: https://youtu.be/v8PXrnbGn6E

Part 2
class 9 science chapter 1 matter in our surroundi…: https://youtu.be/D3LAw7G5RRY

EXERCISES

1. Convert the following temperatures to the celsius scale. (a) 293 K (b) 470 K.

2. Convert the following temperatures to the kelvin scale. (a) 25°C (b) 373°C.

3. Give reason for the following observations. (a) Naphthalene balls disappear with time without leaving any solid. (b) We can get the smell of perfume sitting several metres away.

4. Arrange the following substances in increasing order of forces of attraction between the particles— water, sugar, oxygen.

5. What is the physical state of water at— (a) 25°C (b) 0°C (c) 100°C ?

Mathematics

Part 1

A brief history of numerical systems - Alessandra…: https://youtu.be/cZH0YnFpjwU

Part 2
What are Rational Numbers? | Number System

Concep…: https://youtu.be/SQ4cB9yXkHM

Part 3

What are Rational Numbers? | Number System

Concep…: https://youtu.be/SQ4cB9yXkHM.

EXERCISES

1.Is zero a rational number? Can you write it in the form p q , where p and q are

integers and q ≠ 0?

2. Find six rational numbers between 3 and 4.

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

4. State whether the following statements are true or false. Give reasons for your

answers.

(i) Every natural number is a whole number.

(ii) Every integer is a whole number.

(iii) Every rational number is a whole number