

Class 7 Subject Maths Date 12 Aug

1.) Reenu got  $\frac{2}{7}$  part of an apple while Sonal got  $\frac{4}{5}$

part of it. Who got the larger part and by how much?

2.) Ritu ate  $\frac{3}{5}$  part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much?

3.) Michael finished colouring a picture in  $\frac{7}{12}$  hour. Vaibhav finished colouring the same picture in  $\frac{3}{4}$  hour. Who worked longer? By what fraction was it longer?

## Science

### Science HW chapter 5----- 11/08/2020

1. Give chemical formula and common name of the following

- a) Calcium carbonate
- b) Calcium oxide
- c) Calcium hydroxide

Ans :-

NAME	CHEMICAL FORMULA	COMMON NAME
Calcium carbonate	$\text{CaCO}_3$	Limestone
Calcium oxide	$\text{CaO}$	Quicklime
Calcium hydroxide	$\text{Ca(OH)}_2$	Slakelime

2. Why we take an antacid when we suffer from acidity?

Ans. Our stomach contains hydrochloric acid. It helps us to digest food. But too much of acid in the stomach causes indigestion. Sometimes indigestion is painful. To relieve indigestion, we take an antacid such as milk of magnesia, which contains magnesium hydroxide. It neutralises the effect of excessive acid.

3. While playing in a park, a child was stung by a wasp. Some elders suggested applying paste of baking soda and others lemon juice as remedy. Which remedy do you think is appropriate and why?

Ans:- Wasp Sting's venom is basic in nature, applying lemon juice to the sting neutralizes the sting as lemon juice has citric acid in it.

4. Give two uses of the below bases

a) Calcium carbonate

b) potassium hydroxide

c) Sodium carbonate

Ans:- the two uses are -

a) Calcium carbonate

1. used for making cement

2. fine Calcium carbonate is used as precious stone for flooring

b) potassium hydroxide

1. used for preparing soft soap

2. used as electrolyte in batteries

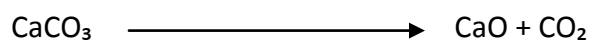
c) Sodium carbonate

1. used in fire extinguisher

2. cleaning agent for clothes

5. How do prepare quicklime from lime stone

We prepare quicklime from lime stone by heating limestone in lime kilns to a very high temperature



Heating in lime kilns 1800F approx

6. What is baking powder and baking soda

Ans – Baking soda is dry Sodium bicarbonate [  $\text{NaHCO}_3$  ]

Baking powder is dry baking soda mixed with tartaric acid

7. Which chemical substance is used for plastering fractured joints?

Ans- Calcium sulphate is used for plastering fractured joints.

8. Name a base which is obtained by dissolving ammonia gas in water.

Ans- Ammonium hydroxide is obtained by dissolving ammonia gas in water.