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STD : IX

CONQUERING SCIENCE

WORK SHEET

1. I am a god, a planet and I can measure heat. What am I?
2. You have a glass of water and a glass of milk. You need to empty the two liquid into a barrel such that
 - i) The two liquids (water and milk) can be differentiated
 - ii) You are able to separate milk and water

Note: Any type of divider in the box is not allowed.

3. A well known chemist name from London was murdered while his visit to Calcutta (India) He left a note "76-20-44 79-16-22-7"
A local detective named Byomkesh Bakshi was called to solve the case, Chemist's five assistant are under suspicion of killing the chemist named:

Austin, Terry, Cole, Hazard, Oscara and Drogha.

After reading the note, the detective instantly asked the police to arrest the murderers.

Who are the murderers?

4. Dalton was working in his chemistry lab and created a mixture whose weight is contributed by 90% water and 10% carbon The weight of the mixture is 20 pounds. As he just finished creating the mixture, Dalton needs to go urgently for some urgent work for 2

days. When he returned the weight of the water in the mixture was reduced from 90% to 50%?

How much does the mixture weigh now?

5. We have two identical balls in terms of diameter and weight.

However, one of them is solid and the other is hollow.

Without knocking the ball, can you find the solid ball?

6. I am a son of chemist and a mathematician. People call me Iron59
What's my name?

7. I'm under your face, I'm outside your mind, A biological case, pressure brings pain sometimes.

8. There are two girls

They were born on the same day, same month and same year.

They were born from the same mother and came from the same womb, yet they are not twins? How can this be?

9. Many people have heard this, but nobody has ever seen it. It will never speak back until you speak to it. What is it?

10. I can be long, I can be short

I can be grown, I can be bought

I can be painted or left bare

I can be round or I can be square what am I?