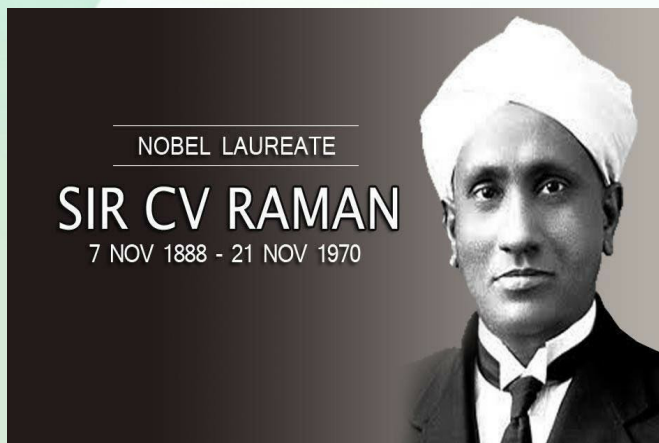



Answers:



Dr. Chandra Shekhar Venkata Raman, popularly known as C.V. Raman, is one of the most distinguished scientists of the 20th

century. It was he who during a long sea voyage to Europe in 1921 as the representative of the Kolkata University at a science meet, wondered why the water in Mediterranean Sea was such a dark shade of blue. He immediately began to conduct experiments on the ship using some simple instruments he had with him. At that time, scientists believed the sea was blue because it





reflected the colour of the sky, but Raman found that it was the water itself that caused blue light to scatter more than other colours in light.

And the time came when he gave the answers to this apparently simple question and won the world's most prestigious award-the Noble Prize in 1930.

Dr. C.V. Raman was born on November 7, 1888 in an orthodox South Indian Brahmin family in Tirchurappalli, Tamilnadu. His father's name was Chandra Shekhar Aiyer who had special interest in science and mathematics. His mother Parvati was a pious lady. Raman was a very brilliant student since his early childhood.

He graduated from the Presidency College, Chennai. He was the only student to get a first class. He completed his Master's degree in Physics from the same college and broke all previous records.

He with his co-discoverer K.S Krishnan discovered on 28 February 1928 a novel phenomenon of light scattering, which they called "modified scattering," but more famously known as the Raman effect. The day is celebrated by the Government of India as the National Science Day every year.



Raman was awarded the degree of 'Doctor of Science' in 1921 by the Kolkata University and in 1929; the British Government in India conferred on him the title of 'Sir'. He was also awarded Lenin Peace Prize in 1958. The government of India also honoured him with the highest honour of the country, 'Bharat Ratna' (Jewel of India) in 1954.

In 1943, Raman set up the Raman Research Institute in Bangalore. There he served as its director and remained active until his death on November 21, 1970, at the age of eighty two. He was proud to be an Indian. Till the day he died, he did not give up his traditional Indian turban in favour of a European hat.

Q.Read the passage carefully and answer the following questions:

1.When and where was C.V.Raman born?

Ans)Dr. C.V. Raman was born on November 7, 1888 in an orthodox South Indian Brahmin family in Tirchurappalli, Tamilnadu.

2.Which day is celebrated as the National Science Day every year by the government of India?

Ans)28th February is celebrated by the Government of

India as the National Science Day every year.

3. According to C.V. Raman, why was the colour of Mediterranean sea dark shade of blue?

Ans) According to C.V. Raman, it was the water of Mediterranean sea itself that caused blue light to scatter more than other colours in light.

4. When did C.V. Raman win the world's most prestigious award-the Noble Prize? Ans) C.V. Raman won the world's most prestigious award-the Noble Prize in 1930.

5. Which title was conferred on C.V. Raman by the British government in India?

Ans) The title of 'Sir' was conferred on C.V. Raman by the British government in India.

6. The government of India honoured him with the highest honour of the country, 'Bharat Ratna' (Jewel of India) in 1954.

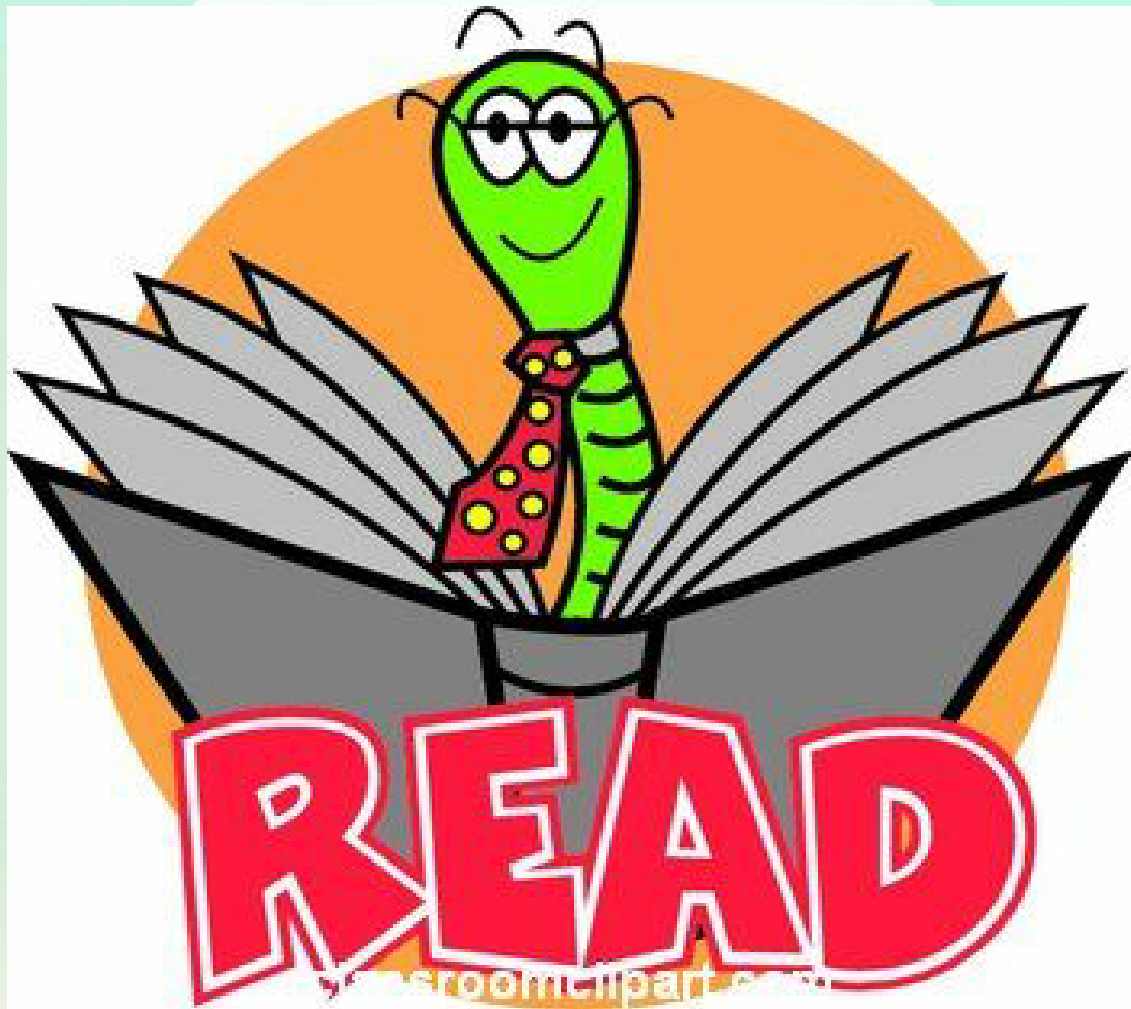
7. In 1943, Raman set up the Raman Research Institute in Bangalore

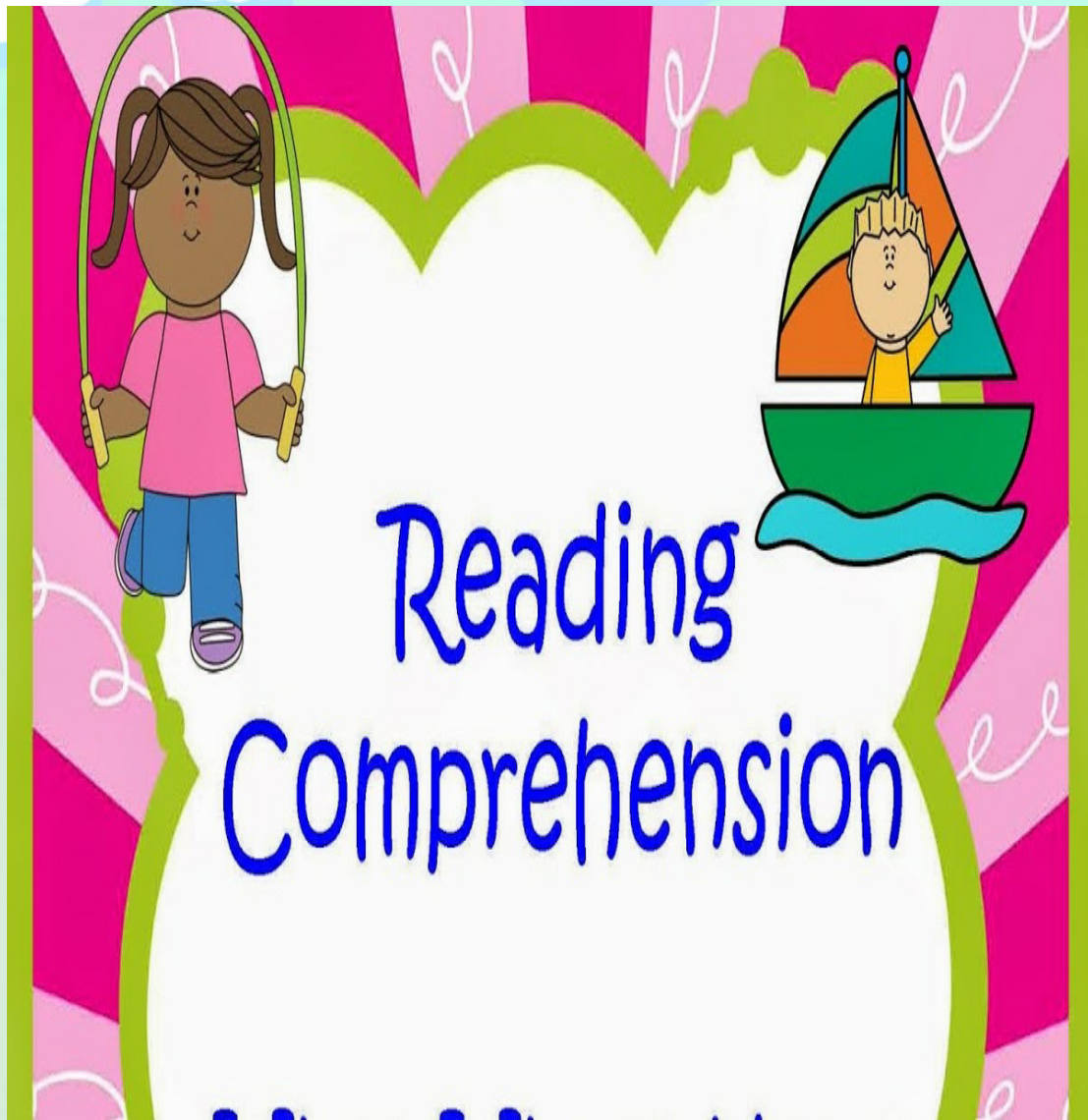
8. Till the day he died, he did not give up his traditional Indian turban in favour of a European hat. 9. What was the father's name of C.V. Raman?

Ans) C.V. Raman's father's name was Chandra Shekhar

Aiyer.

10.Raman was awarded the degree of 'Doctor of Science'
in 1921 by the Kolkata University .





Note: Read the passages carefully and answer the questions:



Name: _____

Date: _____

Grade 4 Reading Comprehension Worksheet

Read the story. Then answer the questions.

Mrs. Doran is our teacher. Everyone likes her. On Tuesday, Mrs. Doran held up a big bottle with lots of coloured string inside it. It had a lid sealed with sticky tape. "We are going to have a competition called, 'Guess the length of the Piece of String.'" It's ten cents a guess," she said. Then she asked us who would like to take the jar home on the weekend, and then Mrs. Doran picked me. I put the jar on the kitchen bench. I looked at it and thought, 'I wonder how long the string is?' There was such a lot of sticky tape wound around the top. In the kitchen drawer I found a measuring tape, a roll of sticky tape, and some scissors. I picked up the jar and looked at it. I started to unwind the sticky tape. I unscrewed the lid. I stretched out the string beside the measuring tape. I measured it. It was 86 centimeters. But then I felt miserable. I wished I hadn't measured it. I picked up the scissors and cut off some of the string. I put the string back in the jar, and put some new sticky tape around it. With the jar in my hand, and there was Mum. "Oh, did you measure the string, Max? "Yes. I just had to know how long it was!" "Max, you'll have to tell Mrs. Doran." On Monday I told Mrs. Doran. She just smiled and said, "Thank you for telling me, Max . . ."

Answer each question.

1. What did Mrs. Doran hold up and what did she say?
2. How many things did he find from the kitchen drawer?
3. Why did he feel miserable and what did he do then?
4. What did Max's Mum say to him?
5. How did Mrs. Doran reply?



Name: _____

Date: _____

Grade 4 Reading Comprehension Worksheet

Read the story. Then answer the questions.

Last Saturday, things were missing at Sarah's house. When Granddad was getting dressed for golf, he yelled, "One of my purple socks is missing! Has anybody seen it anywhere?" When Granny was getting ready to go out, she yelled, "One of my green mittens is missing! Has anybody seen it anywhere?" While Matthew wanted to read in his bedroom, he yelled, "My box of comics is missing! Has anybody seen it anywhere?" When Mum wanted to write a letter to her friend, she yelled, "The writing pad is missing! Has anybody seen it anywhere?" When Dad was setting the table for lunch, he yelled, "The checked tablecloth is missing! Has anybody seen it anywhere?" When Anna went into the family room to play records, she yelled, "The cushions are all missing! Has anybody seen them anywhere?" At lunchtime, everyone was talking about the missing things. But Sarah said nothing. After lunch, she posted a big sign on the refrigerator door. When the family arrived, they yelled, "Oh, Sarah! You should have asked first!" But when the puppet show was over, they all cheered, "Oh, Sarah! You're so clever!"

Answer each question.

1. Why did Granddad yell and for what?
2. Whose one green mitten was missing?
3. What was missing from Matthew's room?
4. Name the things that were missing from the house?
5. Who did say nothing what everyone was talking about?
6. Who did take all the things and why?

