



## The Curious Case of the Spherical Mirrors

by viji koikara



Priya, a bright-eyed girl in a pista green uniform, sat in a bustling classroom filled with forty students. The room was a vibrant mix of boys and girls, all eager to learn. Today's lesson, led by their kind teacher in a beautiful sari, was about spherical mirrors.



The teacher, Mrs. Sharma, explained the structure and construction of concave and convex mirrors. Priya listened intently, her brow furrowed in concentration as she imagined the curved surfaces reflecting light. The classroom was filled with the soft glow of sunlight, highlighting the colorful uniforms.



Next, the class moved to the physics lab, buzzing with excitement. They gathered around a table where various mirrors and objects were laid out. Priya and her friends were eager to see how the image changed depending on the distance of the object from the mirrors.



Experimenting with a concave mirror, Priya carefully moved a small toy car closer and further away. She observed how the size and position of the car's reflection changed. The lab was a hive of activity, with students discussing their observations and discoveries.



Mrs. Sharma then demonstrated the laws of reflection, using a beam of light and a flat mirror. The class watched in awe as the light bounced off the surface, proving the angles of incidence and reflection. Priya felt a thrill of understanding as the concepts came to life.



Finally, Mrs. Sharma introduced lenses, explaining how they bend light to form images. She discussed their uses and showed how image formation varies with convex and concave lenses. Priya left the classroom with a newfound appreciation for the wonders of science, already dreaming of her next experiment.