

Multiple Mirrors. Multiple Images

Scene 1.

Small room . Kota stone floor. Small grilled windows with wood shutters. Room looks untidy, as though no one has been cleaning it recently. Kind of depressing.

MS/LS "Its hot in here. Why don't you turn on the fan?"

CU. Embarrassed "I couldn't pay the electric bill in time this month. Sooo..."

CU "Oh! I'm sorry. Is your father still sick?"

CU "Yeah! Turns out that his cough is actually TB. He has gone to the chest hospital and needs to stay there for the next 2 months."

CU "Who's taking care of his shop?"

MS of him picking up football from table and spinning it on his finger. "I am. That's why I don't come for football practice anymore. I sit in the shop and finish all my homework in the shop."

Two shot- throws ball at friend. "Why didn't you tell me. I'll sit in the shop with you."

"Would you? Thanks! It's very boring sitting alone all evening."

Both boys keep passing ball to each other and walk out of the door.

Scene 2

Toy shop. Has a large glass display in front. Glass has tape stuck on it to cover cracks in it. Very few dusty items (5) on display. There are wooden shelves on the wall behind the display case. Mostly empty. Broken mirror pieces are visible in one corner of the shop. The mirrors had some liquid (paan or whitewash) spit/spilt on them and are dusty.

Both boys are sitting behind display. A man (shop owner) is standing in front of shop.

OS of shop owner, both boys visible. Shop owner says "Where are all the toys?"

MS of boy and display case. "This it all I have now. The stockist took back his toys last month. Said he would send me more toys as soon as I been able to sell half of these items."

CU of shop owner. Looks at boy up and down, glimpses at friend and eyes back on boy. "Oh! When is your father coming back?"

CU of boy. "I am not sure maybe after 3-4 months."

CU "And till then you are going to take care of the shop? Will you be able to pay the rent for this shop?"

CU. Of course I will be able to pay rent! There is enough stock here to pay our bills for over a month. And the stockist has promised me that he will give me more stock.

MS of shop owner . He points his finger at boy while saying. "OK! If you say so. Just remember that if you can't pay rent at the end of the month then I will close down your shop!"

Shop owner walks out of frame.

Fade out. Fade in

LS. A young child is coming to shop with his mother. They look at the display.

CU of boy's face (looks up full of expectation.....turns into despair). VO "No Rahul. We won't buy from this shop. They don't have any stock of toys over here."

Two shot Boy bitterly telling friend. "Only if these toys would sell! Nobody seems to come to buy anything from here anymore! How will I pay my bills?"

Friend puts hand over boys shoulder "Don't worry. Let's close the shop for today, shall we . Maybe tomorrow will be a better day. Remember tomorrow is the school trip to the science museum!"

CU Boy nods and starts closing the shop.

Scene 3

Science museum. Sign on top- Physics of light. Lots of kids of different ages in the museum. The two boys are looking at a display of multiple images with mirrors.

"How many people can sit at this table? Four? Are you sure? Lets move around the table and see." Pan camera around table and see that there is a completely different exhibit when we move more than 90 degrees away.

"What ? How can that be." Move back in front of table.

Older curator/ teacher explaining: "If you place an object between two hinged mirrors , light bounces back and forth between the mirrors before it reaches your eyes. An image is formed in the mirrors each time the light bounces forming multiple images."

"Is there a relationship between the angle and the number of reflected images?"

"Let's try changing the angle of the mirrors."

Computer screen next to display shows:

90 degrees= 4 images (including actual object) $360/90=4$

60 degrees= 6 images(including actual object) $360/60=6$

MS of teacher. "Can you guess what will happen if the mirrors are at a 120 degree angle to each other? Lets try."

CU of images. 120 degrees=3 images (including actual object)

VO by teacher. "This property of mirrors is used by many jewellery shops so that their stock of jewellery looks larger than it is."

MS of Boys. They move on to other exhibits.

Fade out.

Scene 4

MS. Boys back in toy shop. Cleaning up shop. A toy falls in front of the broke mirrors.

Over the shoulder shot of friend kneeling down. "Hey look here. Remember the multiple image exhibit at the museum? Look at the same thing happening with this toy. It looks as though there are several of these toys."

CU of toy and images. "Where? Let me see."

MS of boy. "Your right! That stuff does work."

Picks up toy and puts it back in place.

"Do you remember the teacher telling us that jewellery shops use mirrors to make it look as though they have more stocks?"

"Yes....."Starts looking around shop. We do have lots of mirrors lying around. I wonder if we can use these mirrors to improve the way our shop looks."

"Do you want to go check out a jewellery shop and see how they do that?"

"Sure. Lets go to Laxmi Jewellery shop."

Scene 5

Jewellery shop.

MS of Jewellery shop owner. Good to see you here! How is business at the toy shop?

"Actually we are here for that reason. I need to improve the look of our shop. I have some mirrors in the shop and thought if we can learn from you how to use these mirrors to improve the look of the shop."

"Sure just look around. All our display cases have mirrors in them. Also you can see that mirrors placed on the walls make the shop look bigger."

Scene 6

Remodelled toy shop with lots of mirrors everywhere. Shop looks bigger. Glass display looks bigger and fully stocked.

LS . Shop owner comes by. Looks at shop full of customers. Astonished at new look of shop. What have you done to my shop? It looks much bigger than before!"

MS . "Here is this months' rent sir."

CU. "Rent? Forget about the rent this month. You have just improved the quality of my shop many times over!"

Starts to whistle or sing a tune and moves on.

CU of both boys. Looking at each other. Well physics class seems to have helped us a lot. Goes back to selling physics toys.