

Name: _____ Date: _____

Light

Q1. Describe the construction of a kaleidoscope.

Ans. _____

<https://educationwithfun.com>

Light

Q1. Describe the construction of a kaleidoscope.

Ans. To make a kaleidoscope, get three rectangular mirror strips about 15 cm long and 4 cm wide each. Join them together to form a prism. Fix them in a circular cardboard tube or tube of a thick chart paper. Make sure that the tube is slightly longer than the mirror strips. Close one end of the tube by a cardboard disc having a hole in the centre, through which we can see. To make the disc durable, paste a piece of transparent plastic sheet under the cardboard disc. At the other end, touching the mirrors, fix a circular plane glass plate. Place on this glass plate several small pieces of coloured glass (broken pieces of coloured bangles). Close this end of the tube by a ground glass plate. Allow enough space for the colour pieces to move around. Kaleidoscope is ready. When we peep through the hole, we will be able to see a variety of patterns in the tube.

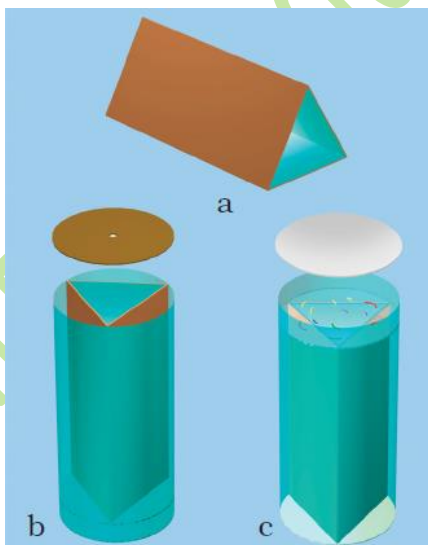


Image from NCERT