

How To Draw Ray Diagrams | Reflection Of Light| Physics | Science

We will explain how images are formed in plain mirrors earlier we just saw those ray diagrams in this session we learn how to make them friends this process is not at all difficult let's take it step by step let there be a plane mirror denoted as MM' .

For an image to form at least two rays of light are required to be in the picture. Each point of any object forms a point image in the mirror it is understood that if all points are considered together the image

or what we call reflection of the whole object is seen in a mirror. Rays do not actually meet but appear to come from point A' when produced backward this entire process can be repeated for another point B on the object AB so in this case the image will be B' . Triangles EOF and $E'IF$ are congruent so length of o is equal to length of i but in the figure OF is the distance of the object from the mirror and IF is the length of the image. The object to mirror distance is always equal to the image to. Mirror distance in case of a plane mirror.

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