

## Answer on Question #46399, Physics, Optics

### Question

In an experiment involving the convex lens, which of the following is NOT correct?

- images must always be sharply focused
- the tip of object pin must be at the same height as the center of lens
- images obtained must always be magnified
- parallax error must be avoided

### Solution

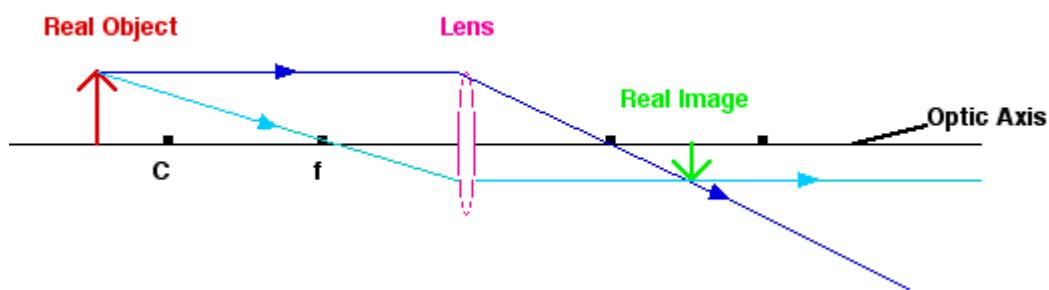


Image is smaller than object.

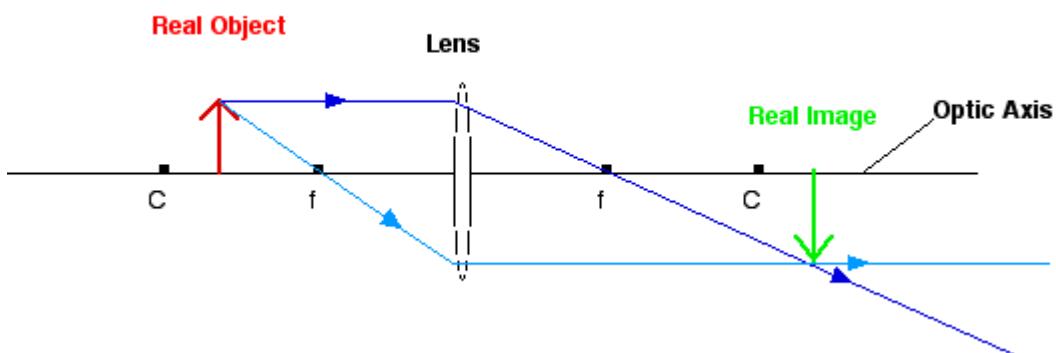


Image is larger than object.

Thus, the image that is obtained by using a convex lens can be as magnified, as minified, thus this correct answer is c.

**Answer:** images obtained must always be magnified