

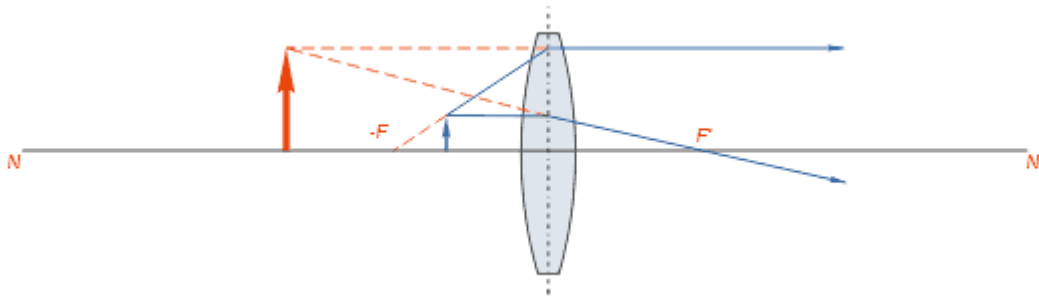
Answer on Question #41843 – Physics – Other

1. The image of an object which is between the concave mirror's reflecting surface and its principal focus is

- a) in front of the mirror erect real and diminished;
- b) behind the mirror inverted real and diminished;
- c) in front of the mirror erect virtual and enlarged;
- d) behind the mirror erect virtual and enlarged.

Solution.

If the subject is placed at a distance less its principal focus, the rays emerge from the lens diverging beam and never intersect. The image of this object is virtual, erect and enlarged, i.e., in this case, the lens works like a magnifying glass.



Answer: the correct answer is d).