



Video Solution on Website:-

<https://physicsaholics.com/home/courseDetails/31>

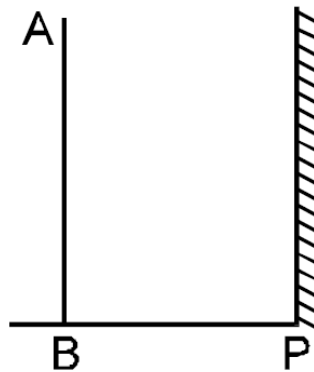
Video Solution on YouTube:-

<https://youtu.be/OkVw91Uu6gc>

Written Solution on YouTube:-

<https://physicsaholics.com/note/notesDetails/58>

- Q 1. A person AB of height 170 cm is standing in front of a plane mirror. His eyes are at height 164 cm. At what height from P should a hole be made in the mirror so that he cannot see the top of his head.



- (a) 167 cm (b) 161 cm
(c) 163 cm (d) none of these
- Q 2. Two plane mirrors are inclined to each other at 90° . A ray of light is incident on one mirror and the reflected light goes to the other mirror. The ray will undergo a total deviation of :
- (a) 180°
(b) 90°
(c) 45°
(d) cannot be found because angle of incidence is not given.
- Q 3. Find the number of images formed by two mutually perpendicular mirrors –
- (a) 3 (b) 4 (c) 1 (d) 2
- Q 4. The θ is the angle between two plane mirrors, in which of the following options always 5 images will be formed?
- (a) $30^\circ \leq \theta \leq 72^\circ$ (b) $45^\circ \leq \theta \leq 72^\circ$
(c) $60^\circ \leq \theta \leq 72^\circ$ (d) $15^\circ \leq \theta \leq 72^\circ$
- Q 5. Two mirrors are inclined at an angle of 60° . Then what is the number of images formed for an object placed in between the mirrors ?
- (a) 3 (b) 5 (c) 1 (d) 7



Answer Key

Q.1 a	Q.2 a	Q.3 a	Q.4 c	Q.5 b
Q.6 a	Q.7 a	Q.8 c	Q.9 d	Q.10 a

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