

MIRROR IMAGE

What is a Mirror Image?

The Mirror Image which we see in a plane mirror is a reflection of an object which will appear almost identical to the object but will be reversed in the manner in such a way that the image is exactly perpendicular to the plane mirror.



Example: In the above image, if you closely look at the lady, you can understand that the left hand of the lady will appear to be her right hand and her right hand will appear as the left hand of the lady. You can try these yourselves by standing in front of a mirror.

Example: In the given problem, identify the correct mirror image of the following:

C 6 8 D L A E A P E A

(A) A E P A E A J D 8 6 C

(B) A E P A E A J D 8 6 C

(C) A E P A E A J D 8 6 C

(D) A E P A E A J D 8 6 C

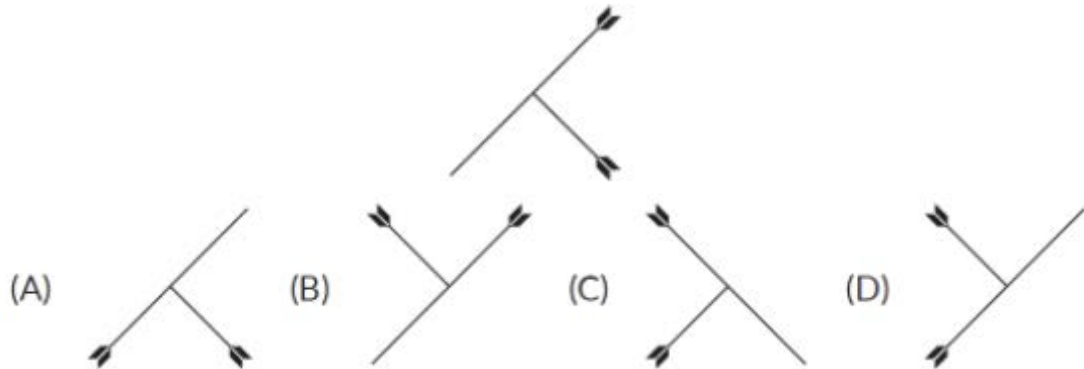
Option B

Explanation: For the above problem, let us relate to the rule that

Rule : In Option A, letter A which comes first in the series seems to be the water image of the original image. Hence option A is not correct. In Option C, the letter 'E' appears the same as shown in the original image and so option C is wrong. Option D appears to

be the water image of the original image with C reversed and so it is wrong. Hence the **correct option is (B)**

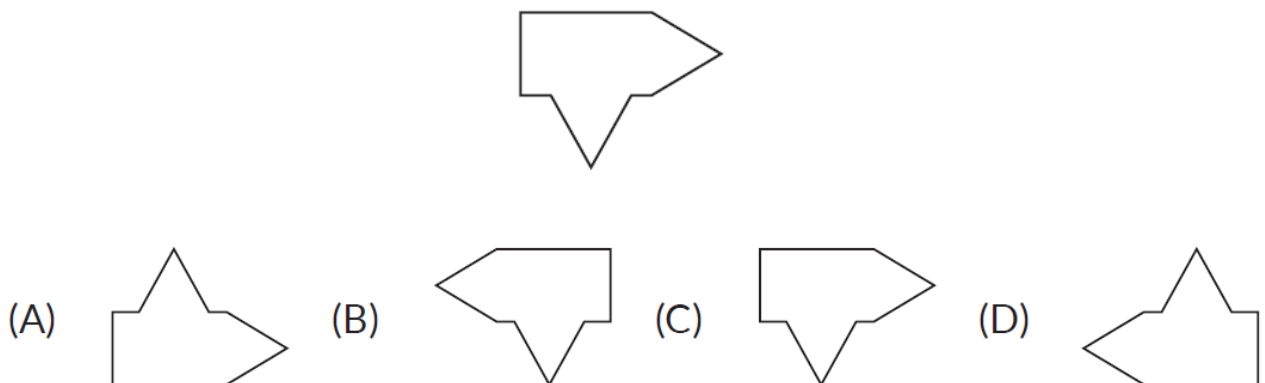
Example: Identify the mirror image of the given figure if the mirror is to be placed vertically to the right of the given image.



Option C

Explanation: In option A, one of the arrows facing downward in the original image is facing upward in the given option and is not correct. In option B, the original image seems to have shifted to the opposite direction and so option B is not correct. In option D, the smaller arrow seems to have shifted above the longer arrow and the longer arrow which was originally facing downward is now facing upwards and this option is also not correct. Hence the **correct answer is Option (C)**

Example: Imagine that a mirror is placed horizontally at the bottom of the figure as shown below, choose the reflection of the image from the given options.



Option A

Explanation: The image in option B is the reflection of the object if the mirror is placed near the image and so option B is not the right option. Option C shows the exact image as given in the question and so it is not correct. Option D is the direct opposite figure of its reflection in the mirror and so option D is not correct. Hence as seen closely, **option A is the correct option** as it is the exact reflection of the image if the mirror is placed below the image.

Practice Problems

1. Identify the reflection of the given image, if the mirror is placed exactly vertical to the right of the given image

57BDE4

(A) 4EBD72

(B) 27BDE4

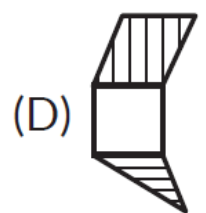
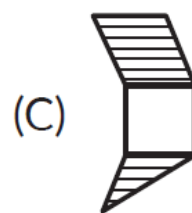
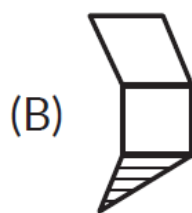
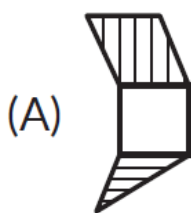
(C) 4EBD72

(D) 27BDE4

2. Identify the mirror image of the given figure if the mirror is placed vertically to the left of the figure.



Fig. (X)



3. Identify the correct mirror image of the figure for the following combination of letters and numbers if the mirror is placed along the line MN.

V2ERSB3AL



(A) ΛΣΕΚ2Β3ΑΓ

(B) Λ2ΕΚ2Β3ΑΓ

(C) ΛΑΕΚΣΡ3ΑΓ

(D) ΛΣΕΚ2Β3ΑΓ

1. (D) 2. (A) 3. (D)

