



Reasoning

Water Image

| Concept Name | Explanation | Example/Tip |
|----------------------------|---|--|
| Definition of Water | A water image is the reflection of an object in a | If you place a letter or number above |
| Image | horizontal mirror placed below the object. | still water, its water image is seen |
| | | upside down. |
| Line of Reflection | In water images, the reflection is across a horizontal | Mirror is assumed to be at the bottom , |
| | axis (X-axis). | not on the side. |
| Difference from | Water image = Horizontal flip (up/down); Mirror | Water Image: top ↔ bottom; Mirror |
| Mirror Image | image = Vertical flip (left/right). | Image: left ↔ right. |
| Water Image of | Letters like A, M, V, W remain similar ; letters like P, | Practice image reflections for all 26 |
| Alphabets | Q, R, B appear flipped vertically . | letters to memorize variations. |
| Water Image of | 0, 1, 3, 8 remain mostly unchanged; 6 and 9 are | $6 \leftrightarrow 9$; $2 \leftrightarrow \text{reversed } 2$; 5 becomes |
| Numbers | interchanged; 2, 5 appear upside-down. | curved like a reversed 2. |
| Clock Water Image | Subtract given time from 6:00 to find water image | Water Image of $3:30 \rightarrow 6:00 - 3:30 =$ |
| Concept | time. | 2:30. |
| Arrow or Shape | Arrows point opposite direction in water image | Triangles, squares, arrows flip along |
| Water Image | vertically. Shapes appear flipped vertically. | the horizontal axis. |
| Symmetry-based | Letters/numbers with horizontal symmetry (A, H, | Use symmetry to eliminate wrong |
| Judgement | M) appear the same in water images. | options quickly. |
| Common Tricky | G, J, P, Q, R, Y – these change significantly in water | Memorize these letters specifically for |
| Letters | image. | quick answers. |



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