Patterned Cube Folding ANSWERS

Bands 1, 2, 3, 4, 5 · 10 questions · Free sample

The flat pattern folds away from you into a cube, keeping the black-and-white shapes on the outside. Only one of the four cubes matches both which faces meet and which way every shape points.

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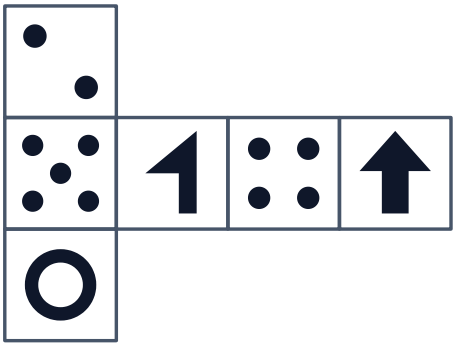
1 Band 1

Answer: A



A 

Exact 3D fold matching every face and direction.

B 

Top and Right faces both have wrong orientations.

C 

The Right and Left faces are in each other's places.

D 

Top face: Dice 5 folds opposite Dice 4, so it cannot sit beside the other two faces like this.

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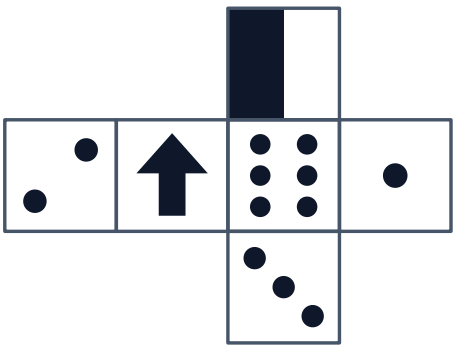
2 Band 1

Answer: B



A 

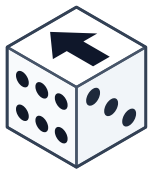
Right face (Dice 3) is turned 90° CW from its true folded orientation.

B 

Exact 3D fold matching every face and direction.

C 

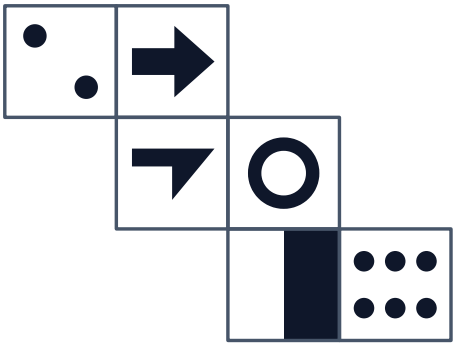
Left face (Arrow (Symmetric)) is rotated 180° (upside down).

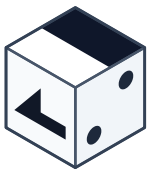
D 

The Top and Left faces are in each other's places.

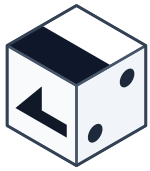
3 Band 2

Answer: A

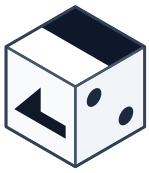


A 

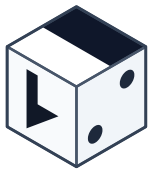
Exact 3D fold matching every face and direction.

B 

Top face (Half Black) is rotated 180° (upside down).

C 

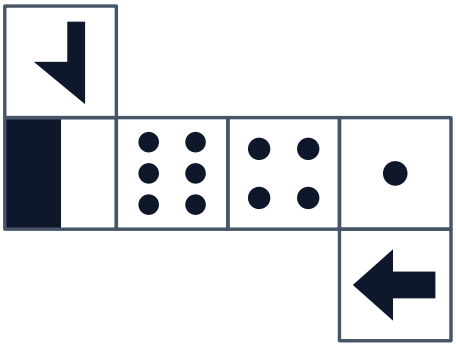
Right face (Dice 2) is turned 90° CW from its true folded orientation.

D 

Left face (Half Arrow (Asymmetric)) is mirror-flipped and rotated 270°.

4 Band 2

Answer: C



A 

Top face (Half Arrow (Asymmetric)) is mirror-flipped and rotated 270°.

B 

Left face (Half Black) is turned 90° CW from its true folded orientation.

C 

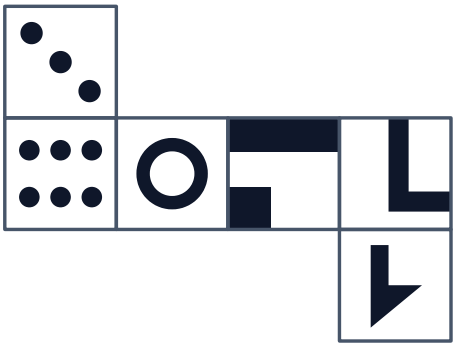
Exact 3D fold matching every face and direction.

D 

Right face (Half Black) is rotated 180° (upside down).

5 Band 3

Answer: B



A 

Right face (Half Arrow (Asymmetric)) is turned 90° CCW from its true folded orientation.

B 

Exact 3D fold matching every face and direction.

C 

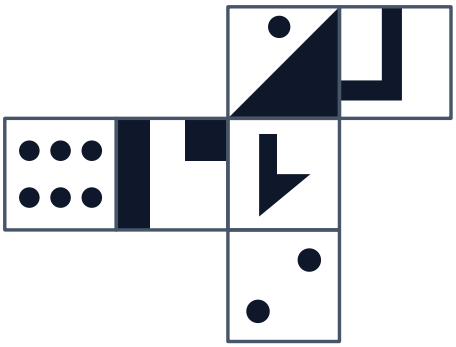
Left face (Dice 6) is turned 90° CW from its true folded orientation.

D 

Right face (Half Arrow (Asymmetric)) is mirror-flipped and rotated 270°.

6 Band 3

Answer: A



A 

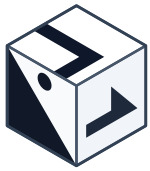
Exact 3D fold matching every face and direction.

B 

Left face (Diagonal + Offset Dot) is turned 90° CW from its true folded orientation.

C 

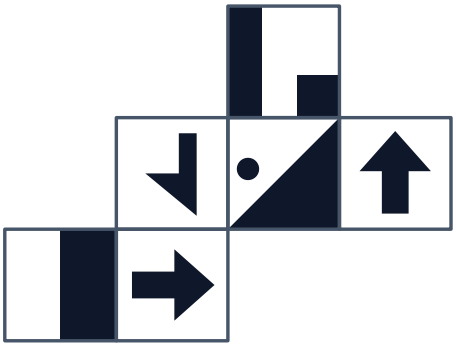
Top face (Asymmetric Bent Band) is turned 90° CCW from its true folded orientation.

D 

Left face (Diagonal + Offset Dot) is mirror-flipped and rotated 90°.

7 Band 4

Answer: D



A 

Right face (Arrow (Symmetric)) is turned 90° CCW from its true folded orientation.

B 

Left face (Edge Bar + Corner Block) is turned 90° CCW from its true folded orientation.

C 

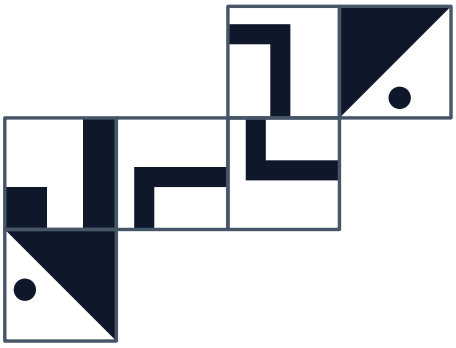
Top face (Half Black) is turned 90° CW from its true folded orientation.

D 

Exact 3D fold matching every face and direction.

8 Band 4

Answer: D



A 

Right face (Diagonal + Offset Dot) is mirror-flipped (wrong chirality).

B 

Top face (Diagonal + Offset Dot) is mirror-flipped (wrong chirality).

C 

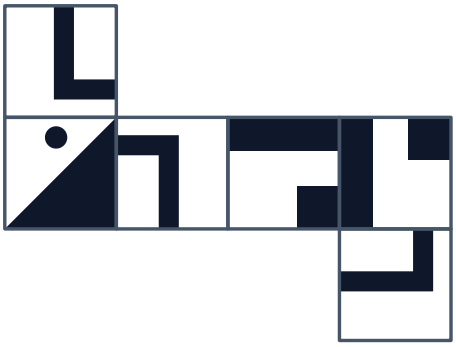
Left face (Asymmetric Bent Band) is mirror-flipped (wrong chirality).

D 

Exact 3D fold matching every face and direction.

9 Band 5

Answer: B



A



Left face (Asymmetric Bent Band) is mirror-flipped (wrong chirality).

B



Exact 3D fold matching every face and direction.

C



Right face (Edge Bar + Corner Block) is mirror-flipped (wrong chirality).

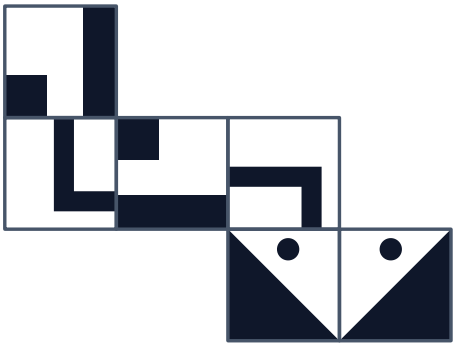
D



Top face (Edge Bar + Corner Block) is mirror-flipped (wrong chirality).

10 Band 5

Answer: D



A



Top face (Edge Bar + Corner Block) is mirror-flipped (wrong chirality).

B



Right face (Diagonal + Offset Dot) is mirror-flipped (wrong chirality).

C



Left face (Asymmetric Bent Band) is mirror-flipped (wrong chirality).

D



Exact 3D fold matching every face and direction.

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