

Year 4

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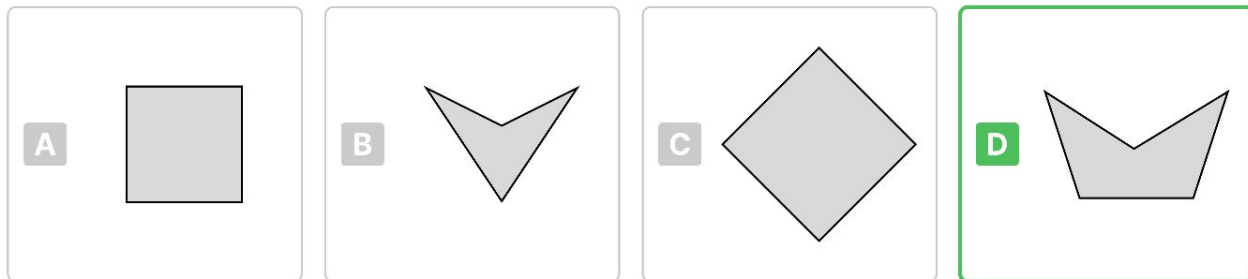
[Nets From 3D
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Odd One Out



In Odd One Out questions, students will be shown a group of shapes. They must select the shape which is the most unlike the rest.

Identify the shape that does not belong in this group.

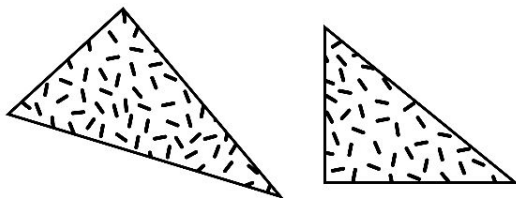


Match to a Pair

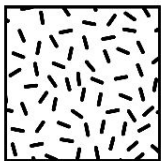


In Match to a Pair questions, students will be shown a pair of shapes. They must select the answer option which has the most in common with the pair of shapes.

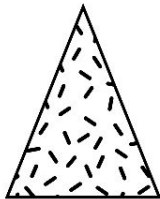
Which of the options below could join this pair?



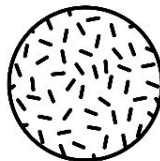
A



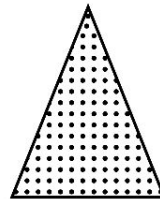
B



C



D



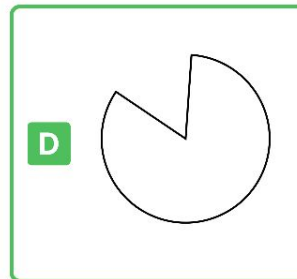
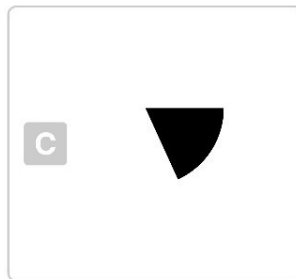
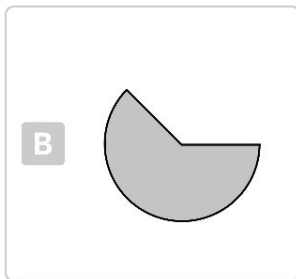
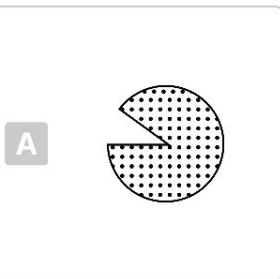
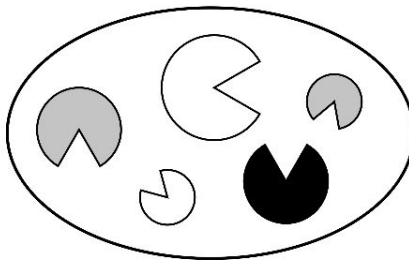
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Match to a Group



In Match to a Group questions, students will be shown a group of shapes. They must select the answer option which has the most in common with the shapes.

Identify the option that has the most in common with the shapes in the group.



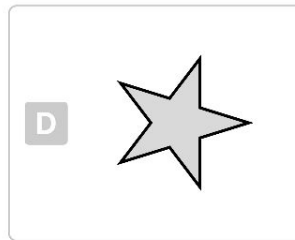
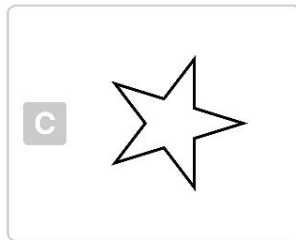
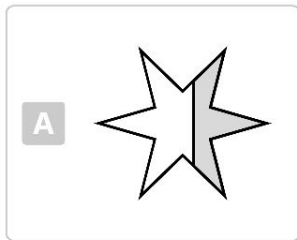
Pairing Shapes



In Pairing Shapes questions, students will see a pair of linked shapes. They will also see a third shape, without a pair. Using the link from the first pair, students have to select the shape that completes the second pair.

The first shape has been changed to make the second shape.

Which of the options applies the same change to the third shape?

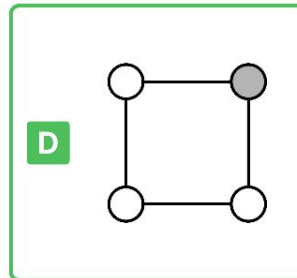
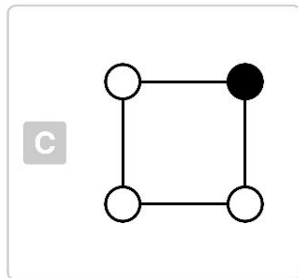
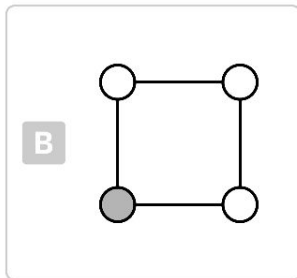
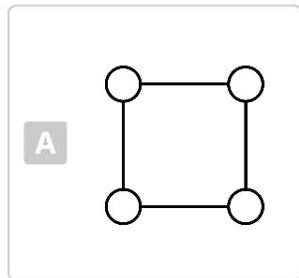
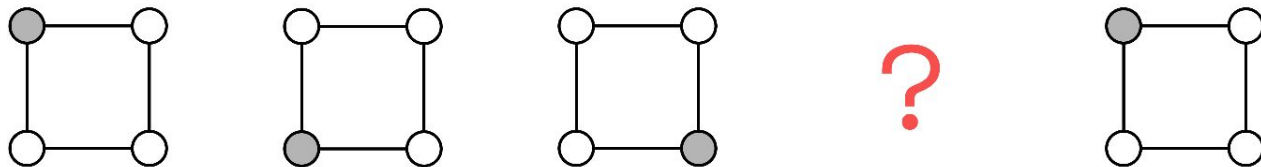


Sequences



In Sequences questions, students will be shown an incomplete sequence of shapes. They will have to choose the answer option that best completes the sequence.

Select the image that completes the sequence.

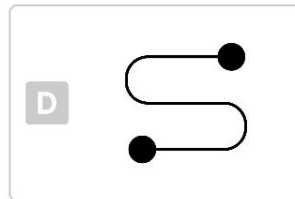
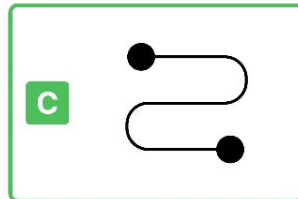
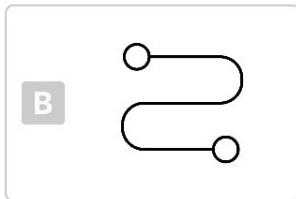
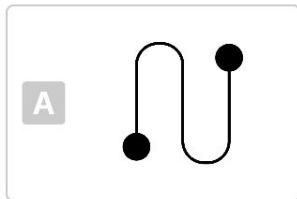
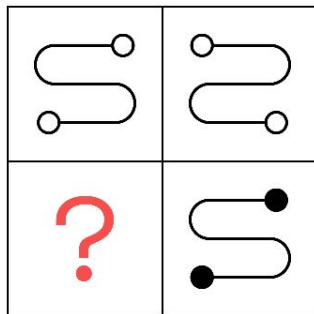


Matrices



A matrix is a grid in which images are organised according to a pattern. In Matrices questions, students will have to select the image that correctly completes a matrix.

This matrix is incomplete. Which shape should fill the gap?

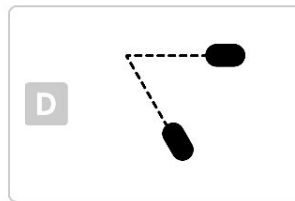
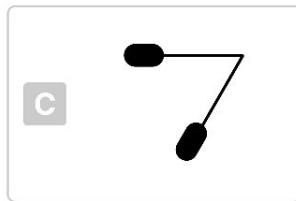
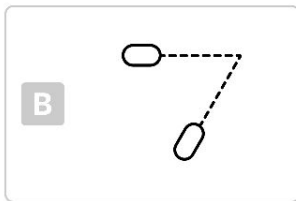
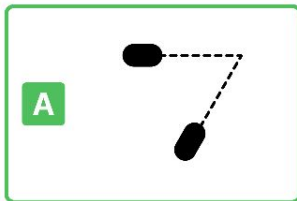
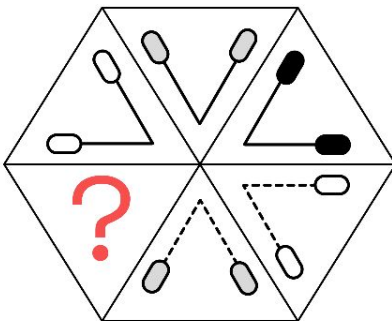


Odd Shaped Matrices



A matrix is a grid in which images are organised according to a pattern. In Odd Shaped Matrices questions, students will have to select the image that correctly completes an irregularly-shaped matrix.

There is a gap in this matrix. Which shape should fill the gap?

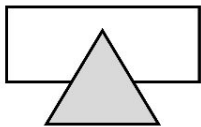


Find a Code

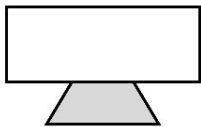


In Find a Code questions, students will see a set of shapes that are each linked to a two-letter code. Each letter in the code represents a feature of the shape above it. Students must work out the code that represents the final shape.

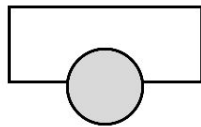
Identify the code which applies to the final shape.



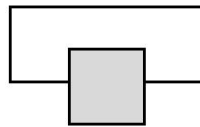
FT



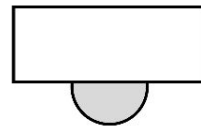
BT



FC



FS



?

A

FO

B

SC

C

BC

D

CB

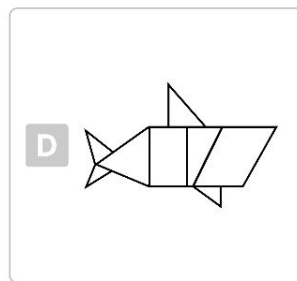
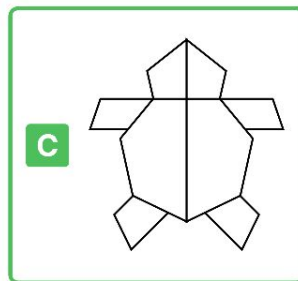
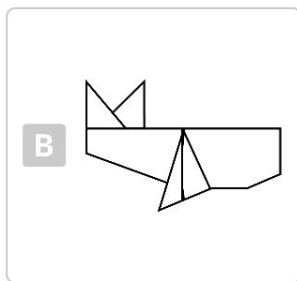
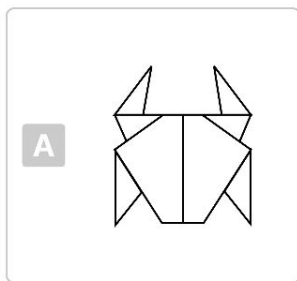
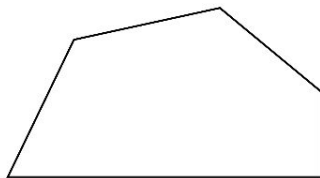


Parts Within a Shape



In Parts Within a Shape questions, students must select the image that is or is not present in a group of images.

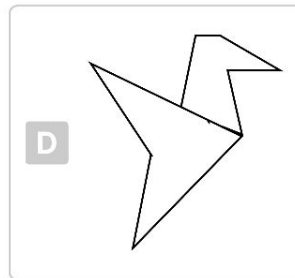
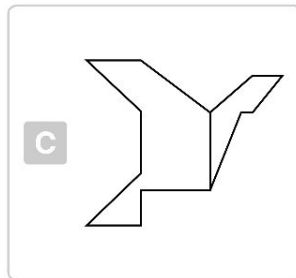
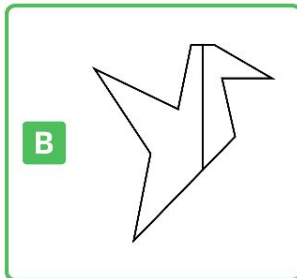
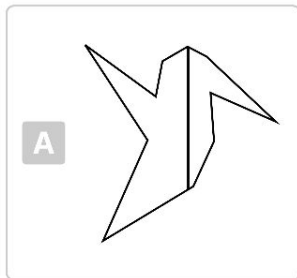
Select the image which contains this hidden shape.





In Shape Logic questions, students must select the option which has combined the two given images. Neither image will have been rotated.

Select the image which is a combination of these two images.

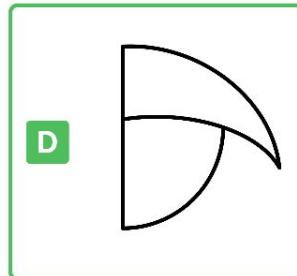
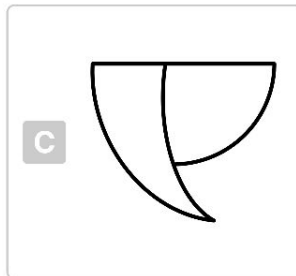
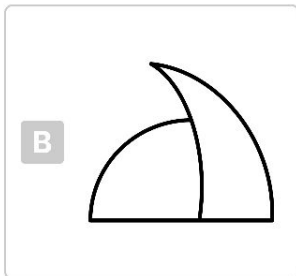
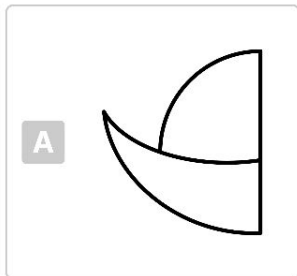
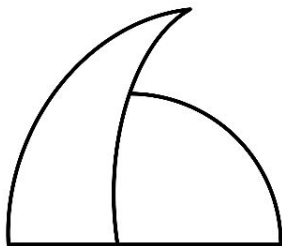


Rotations



In Rotations questions, students must select the image which shows a specific rotation of the main image.

Which option is a **90° clockwise rotation** of this shape?

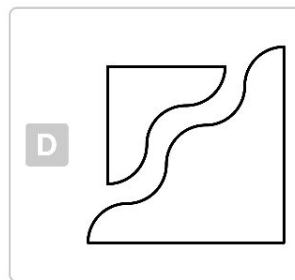
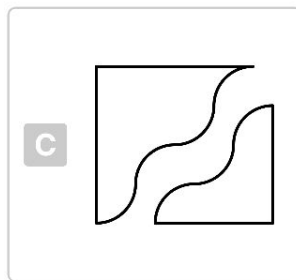
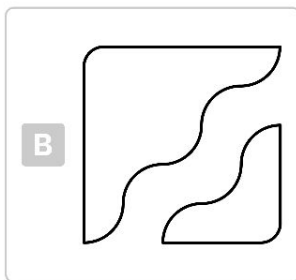
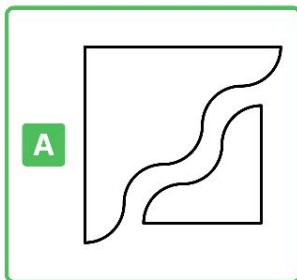
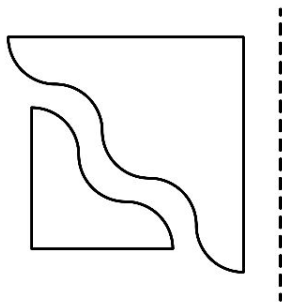


Reflections



In Reflections questions, students must select the image which shows a specific reflection of the main image.

Select the image that is a reflection of the shape across a **vertical line**.



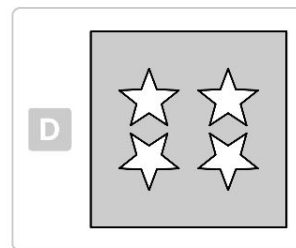
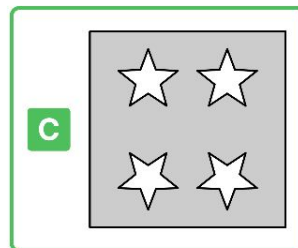
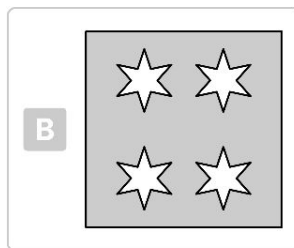
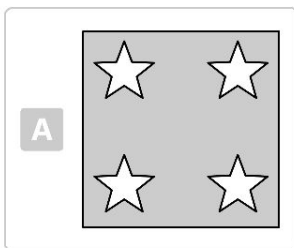
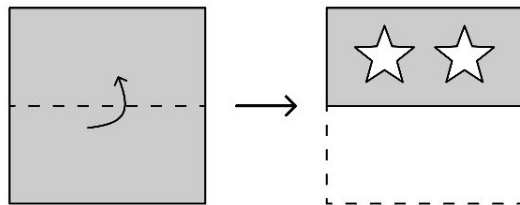
Following Folds



In Following Folds questions, students are shown a piece of paper that has been folded and had shapes cut out of it. Students must select the 'unfolded' result.

This piece of paper has been folded and two stars have been cut out of it.

What does the paper look like unfolded?

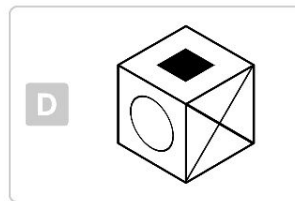
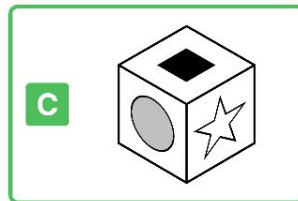
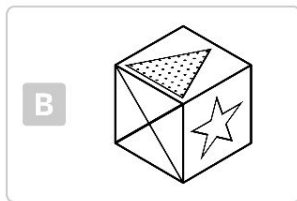
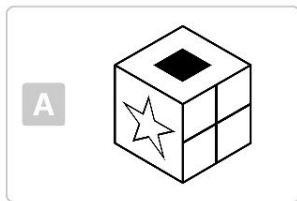
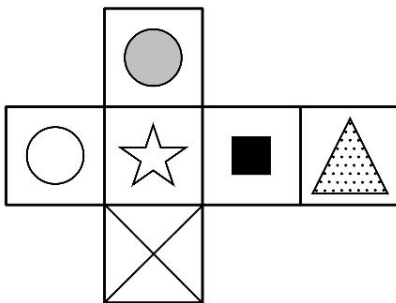


Nets and Cubes



In Nets and Cubes questions, students are asked to select the cube that could, or could not, be made from a given net.

Identify the cube which could be made from this net.

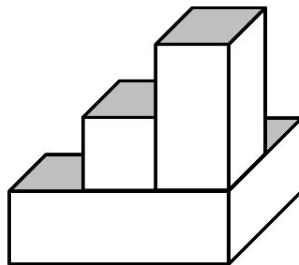


Rotating 3D Shapes

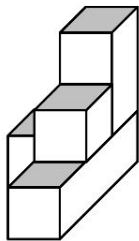


In Rotating 3D shapes questions, students will be asked to choose the image that is a rotation of a 3D shape.

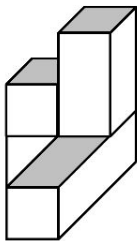
Look at the 3D shape below. Select the option which is a **90° rotation** to the right.



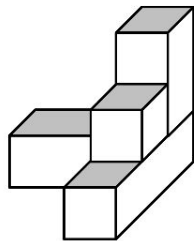
A



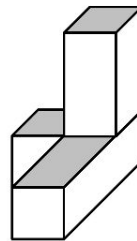
B



C



D



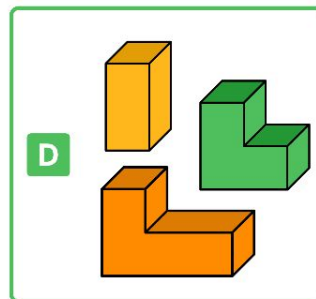
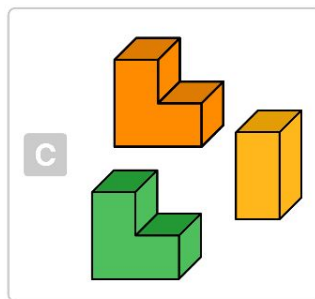
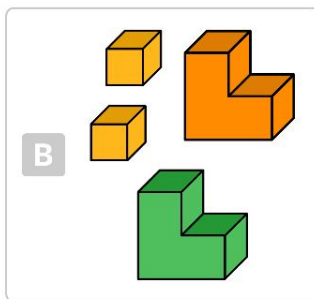
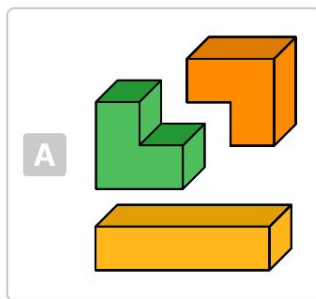
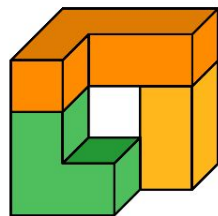
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Combining 3D Shapes



In Combining 3D Shapes questions, students must select which group of blocks could make a specific 3D shape.

Which group of blocks could build this shape? Some blocks may have been rotated.

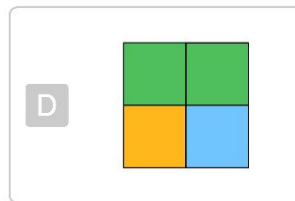
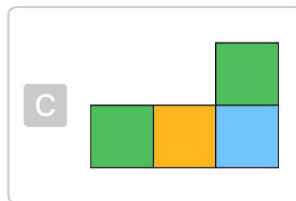
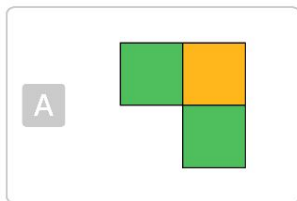
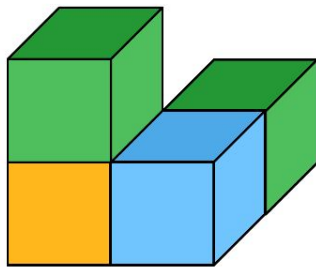


3D Shapes From Above



In 3D Shapes From Above questions, students must select the image that shows what a pile of cubes would look like from a birds-eye view.

Look at the 3D shape below. Select the option which shows what this shape would look like from above.

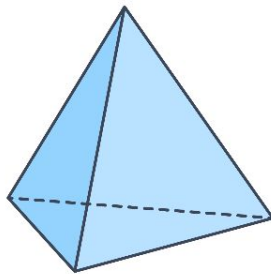


Nets from 3D Shapes

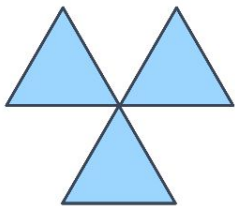


In Nets from 3D Shapes questions, students are asked to select the 3D shape that could, or could not, be made from a given net.

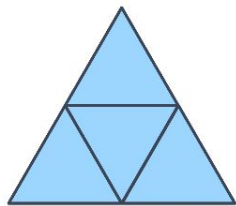
Which of the nets below could be folded up to make this shape?



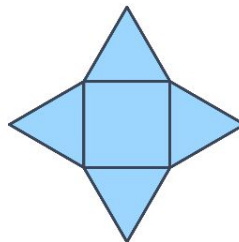
A



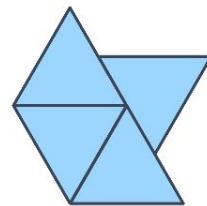
B



C



D



Back