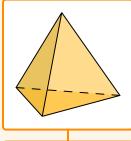
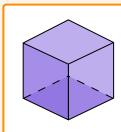


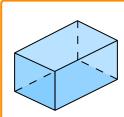
In Nets from 3D Shapes questions, you will be shown a 3D shape and asked to choose the net that it would make if it were unfolded!

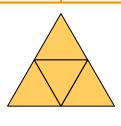


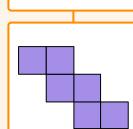


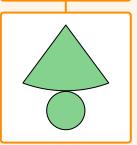


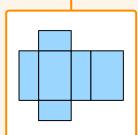










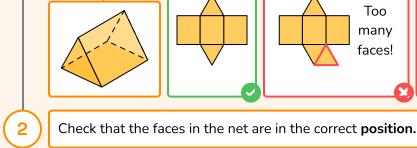


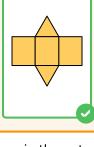


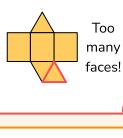
Start by counting the **number** and **shape** of the faces in the net.

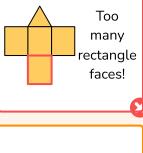
Method

- Does the total number of faces on the net match the total number of faces
 - on the 3D shape? Are there the correct number of each shape of face (circular faces, square faces...)?
 - Triangular Prism



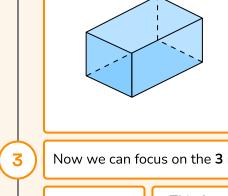




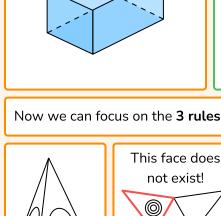


These faces would overlap!

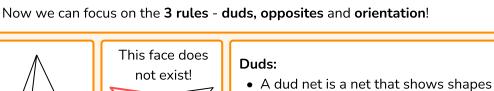
impossible to recreate the 3D shape.



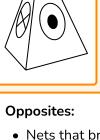
If certain faces are in the wrong position, it's



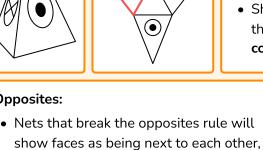
Cuboid







each other.



they may have subtle differences in

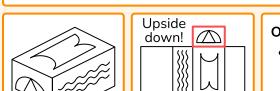
colour, size or features.

that are **not seen** on the 3D shape.

Shapes can look very similar, but

Wrong position!





when they should instead be opposite









will align, as shown below!



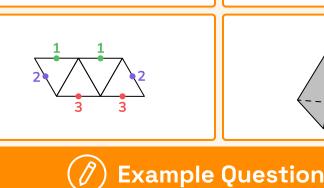
Sometimes it can be difficult to work out which faces of the nets will align together. The colour dot method can be a useful tool to work out which faces

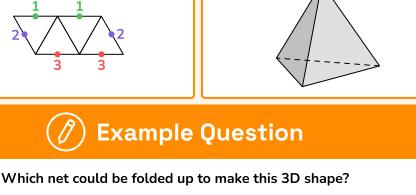
wrong way.

If you're struggling with the orientation rule, try to figure out if any of the shapes on the 3D shape are pointing at any other shapes.

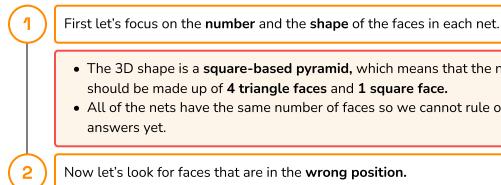
or shapes that are pointing the

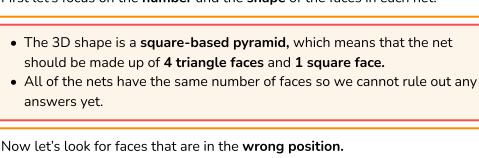


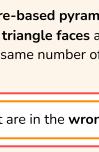


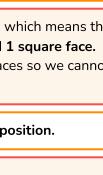




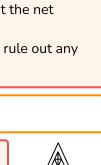








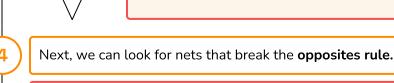
D



Ε

• The square face forms the base of our 3D shape, so it needs to attach to the **bottom** of all the triangles.

We can rule out...



We can rule out... • **B** because the **triangle shape** is missing the **straight line**.

Next, we can can look for dud nets.

We can rule out...

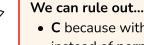
 We can rule out A because it shows the 2 shapes opposite each other, when they are actually next to each other on

• **D** because the **square face** is in the wrong position.



Finally, rule out any nets that break the orientation rule.





 C because within the circular shape, the semi-circle is parallel, instead of perpendicular to the bottom side of the triangular

C is the correct answer! It is the only cube that can be made from the net.



