How can we represent three-dimensional figures in only two dimensions?



In this lesson you will learn how to represent three-dimensional figures with nets by analyzing their faces and bases.





#### One-Dimensional









# A three-dimensional figure has a length, a width, and a height.





## A net is a two-dimensional pattern of a three-dimensional figure, that can be folded to form the figure.





## Identify the net that we could fold in order to create this 3D figure.























2 triangle bases, 3 rectangle faces





Match the 3D figure to the right with its appropriate net.





## In this lesson you have learned how to represent three-dimensional figures with nets, by analyzing their faces and bases.



## Guided Practice





## Extension Activities

Kennedy's teacher asked her to draw the net of a rectangular prism. She drew the image, below. Explain to Kennedy what she did incorrectly.





## Extension Activities

A dodecahedron is a 3D solid with 12 flat faces. Can you draw the net for this dodecahedron?







## Draw a net for a cube.

## Draw a net for this square pyramid.



