

3-Dimensional Figures and Nets

A 3-Dimensional Pattern

Complete the table for these 3-dimensional shapes.

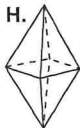
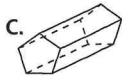
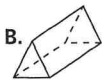


Figure	Number of Faces	Number of Vertices	Total Faces and Vertices	Number of Edges
A				
B				
C				
D				
E				
F				
G				
H				

Look for a pattern in the table above. Then complete this statement.

The sum of the number of faces and vertices is equal to the number of

_____ plus _____.

Let f = number of faces, v = number of vertices, and e = number of edges.

Write the statement you completed above as an equation.

Write a formula for the number of edges.
