COUNTDOWN Challenge

Platonic Solids: Part 1

A Platonic solid is a regular polyhedron having surfaces or faces in the shape of a regular triangle, square or pentagon. All of the faces, edges, and vertices (corners) are identical.

Name	Solid	# of Faces	# of Edges	# of Vertices	Prove Euler's Formula **F+V=E+2**
Tetrahedron		_____	_____	_____	_____
Octahedron		_____	_____	_____	_____
Icosahedron		_____	_____	_____	_____
Cube (Hexahedron)		_____	_____	_____	_____
Dodecahedron		_____	_____	_____	_____

On the next page, create a net for each of the Platonic solids.