

Geometry is great fun!!

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### EULER'S RELATIONSHIP

| NAME OF THE POLYHEDRON | NUMBER OF FACES | NUMBER OF EDGES | NUMBER OF VERTICES |
|------------------------|-----------------|-----------------|--------------------|
| Tetra _ _ _ _          |                 |                 |                    |
| C _ _ e                |                 |                 |                    |
| Oc _ _ _ _ _           |                 |                 |                    |
| D _ _ _ _ _            |                 |                 |                    |
| I _ _ _ _ _            |                 |                 |                    |
|                        |                 |                 |                    |
|                        |                 |                 |                    |
|                        |                 |                 |                    |
|                        |                 |                 |                    |
|                        |                 |                 |                    |

- Count the number of edges, faces and vertices and try to discover a relationship between them.



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