Three Dimensional Shapes

ABOUT FACE

Complete the chart

| SOLIDS | NUMBER OF FACES THAT ARE | | | | | |
|--------------------|--------------------------|---|---|--------|---|--|
| | | | 0 | 0 | 0 | |
| Cube | 6 | | | | | |
| Rectangular Prism | 2 | | | | | 4 |
| Triangular Prism | | 2 | | | | 3 |
| Pentagonal Prism | | | | 2 | | 5 |
| Hexagonal Prism | | | | | 2 | 6 |
| Square Pyramid | | 4 | | | | 7. |
| Triangular Pyramid | A | Ч | | | | |
| Pentagonal Pyramid | | 5 | | 1 | | |
| Hexagonal Pyramid | | 6 | | Market | - | disposa de la companya de la company |

EULER'S FORMULA

Complete the chart

| SOLID | Number of Faces | Number of Edges | Number of Vertices |
|--------------------|--------------------|--------------------|-----------------------|
| Cube | 6 | 12 | 8 |
| Rectangular Prism | 6 | 12 | 8 |
| Triangular Prism | 5 | 9 | 6 |
| Pentagonal Prism | 7 | 15 | 10 |
| Hexagonal Prism | 8 | 18 | 12 |
| Square Pyramid | 5 | 8 | 5 |
| Triangular Pyramid | 4 | 6 | 4 |
| Pentagonal Pyramid | 6 | 10 | 6 |
| Hexagonal Pyramid | 7 | 12 | 7 |

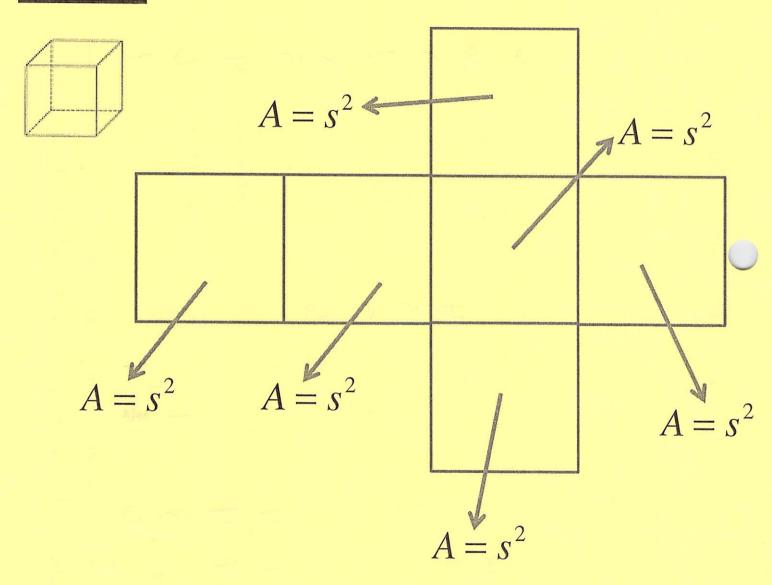
Explain any relationship(s) that exists between the faces, edges, and vertices of each solid in the chart.

A **net** is a two-dimensional pattern that you can fold to form a three-dimensional figure. A net of a figure shows all the surfaces of that figure in one view.

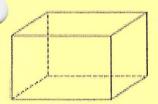
- 1. Draw the net of each solid as NEATLY AS POSSIBLE. Use the ruler to help you draw straight lines. Your net should look identical to unfolded solid.
- 2. Draw an arrow and write the area formula for each shape in the solid.

The first solid is done for you:

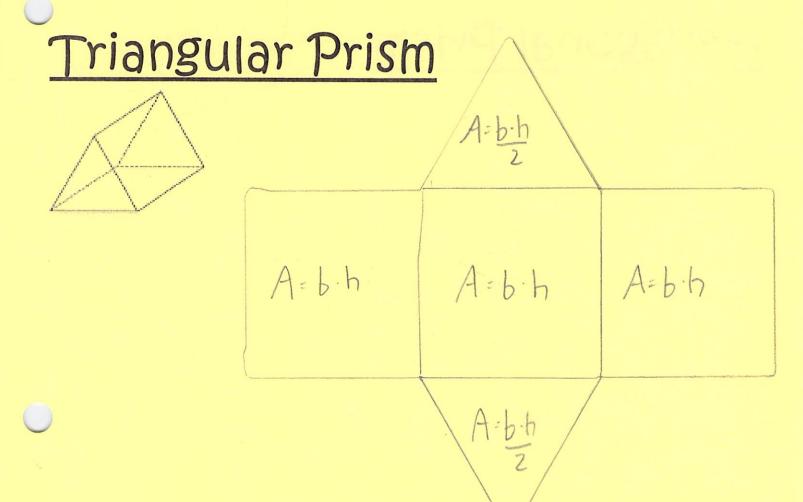
Cube

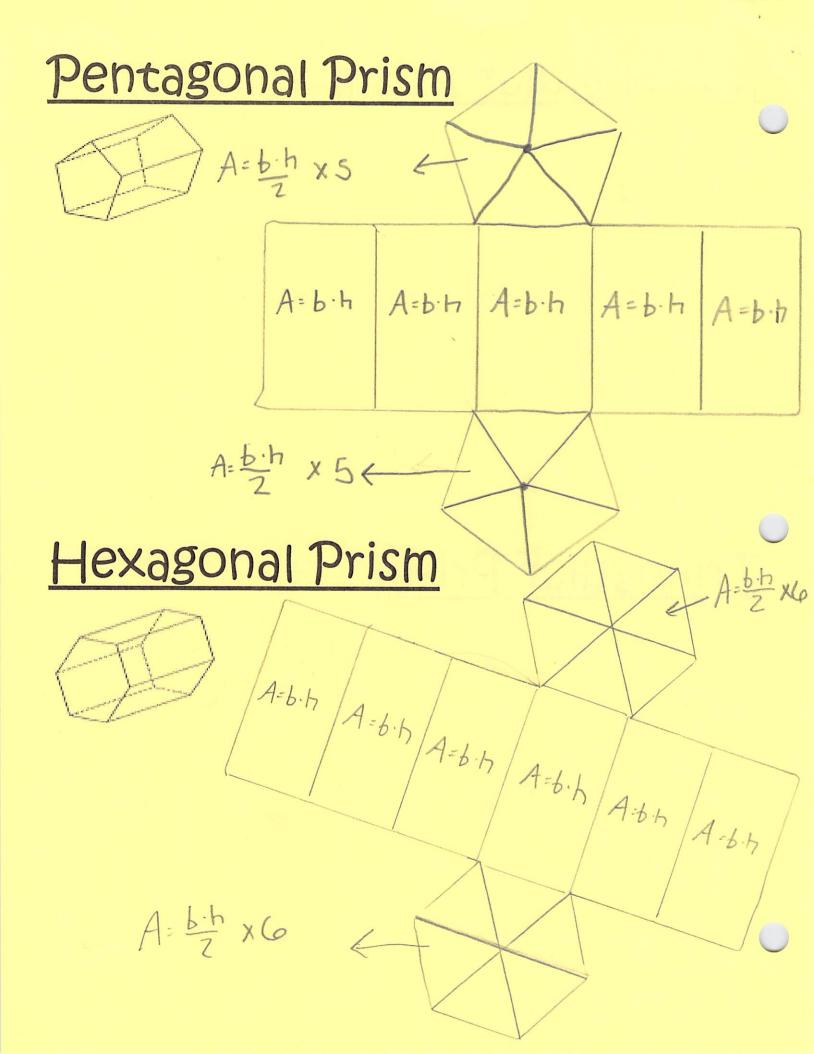


Rectangular Prism

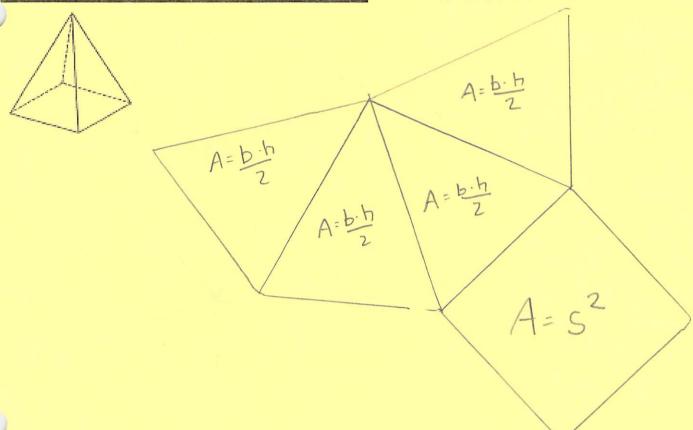


| | A=b-h | | |
|-------|-------|-------|--|
| A=b·h | A=b.4 | A=b·h | A-b-h |
| | A=b.h | | anne ann an Aire ann an Ai |

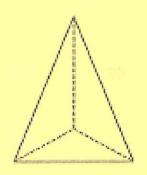


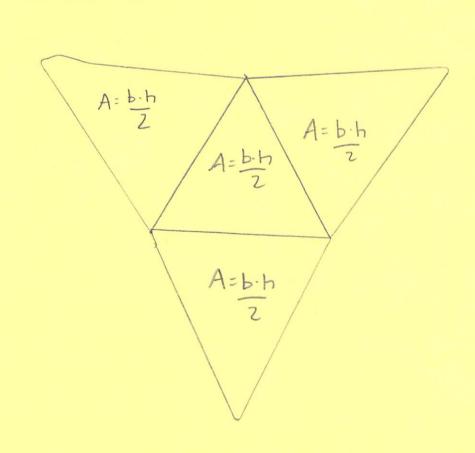


Square Pyramid

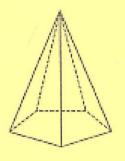


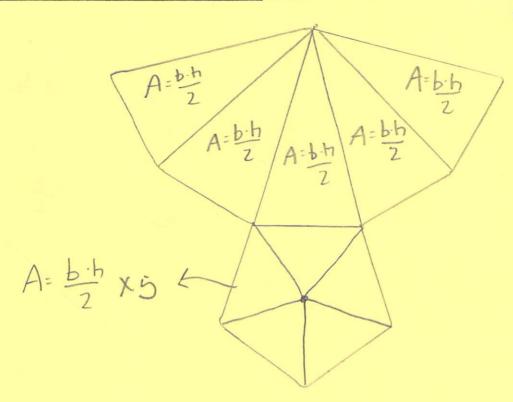
Triangular Pyramid



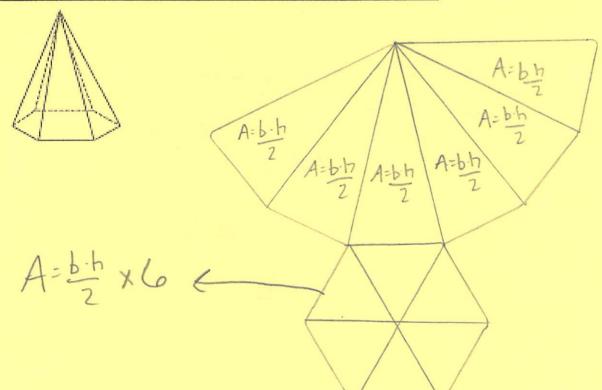


Pentagonal Pyramid





Hexagonal Pyramid



Three Dimensional Shapes

ABOUT FACE

Complete the chart

NUMBER OF FACES THAT ARE **SOLIDS** \bigcirc Cube Rectangular Prism Triangular Prism Pentagonal Prism Hexagonal Prism Square Pyramid Triangular Pyramid Pentagonal Pyramid Hexagonal Pyramid

EULER'S FORMULA

Complete the chart

| SOLID | Number of Faces | Number of Edges | Number of Vertices |
|--------------------|---|--|--|
| Cube | | | |
| Rectangular Prism | | and the second s | 2 |
| Triangular Prism | | | The second secon |
| Pentagonal Prism | | | |
| Hexagonal Prism | | | |
| Square Pyramid | | | |
| Triangular Pyramid | - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | |
| Pentagonal Pyramid | | erics of | |
| Hexagonal Pyramid | | 7.77 | |

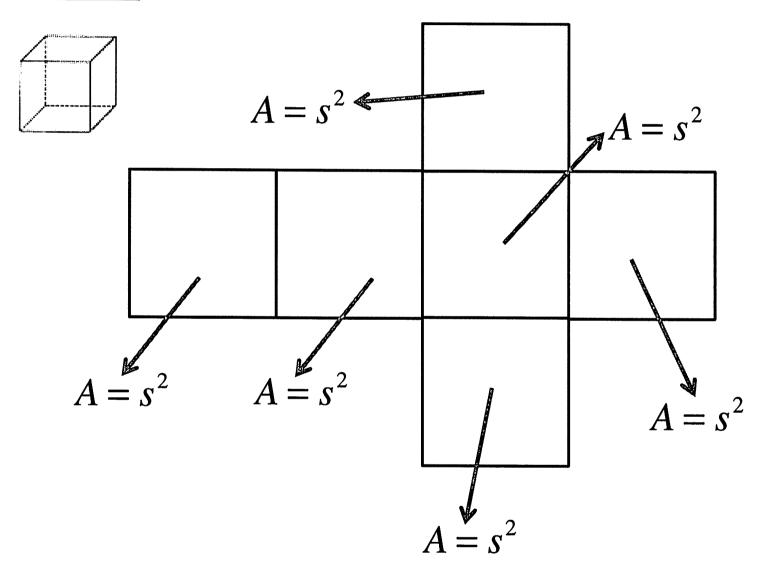
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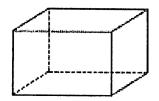
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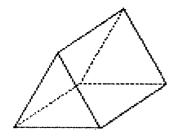




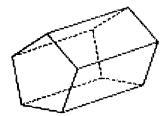
Rectangular Prism



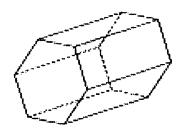
Triangular Prism



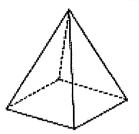
Pentagonal Prism



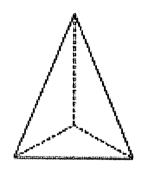
Hexagonal Prism



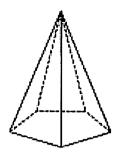
Square Pyramid



Triangular Pyramid



Pentagonal Pyramid



Hexagonal Pyramid

