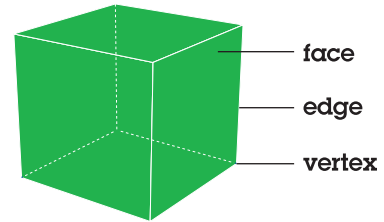


Pyramids, Prisms and Antiprisms

Use the GeoGenius kit pieces provided to make each of the following shapes:

- Triangular based: prism, pyramid and antiprism
- Square based: prism, pyramid and antiprism
- Pentagonal based: prism, pyramid and antiprism
- Hexagonal based: prism, pyramid and antiprism



1. Refer to the objects that you have made to complete as much of each of the tables below.
2. By looking for patterns complete as much of the remainder of each table as you can.

Number of sides in the base

| Prisms | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | n |
|----------|---|---|---|---|---|---|---|----|---|
| Faces | | | | | | | | | |
| Edges | | | | | | | | | |
| Vertices | | | | | | | | | |

Number of sides in the base

| Pyramids | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | n |
|----------|---|---|---|---|---|---|---|----|---|
| Faces | | | | | | | | | |
| Edges | | | | | | | | | |
| Vertices | | | | | | | | | |

Number of sides in the base

| Anti-Prisms | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | n |
|-------------|---|---|---|---|---|---|---|----|---|
| Faces | | | | | | | | | |
| Edges | | | | | | | | | |
| Vertices | | | | | | | | | |