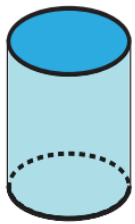


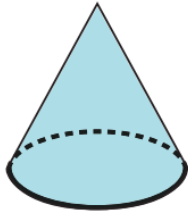
Sorting 3 D shapes

Sheet 2

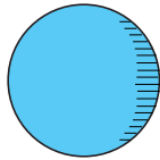
Write the number of the shape in the box where it belongs in the Carroll diagram.



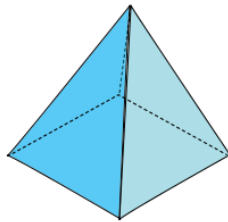
1



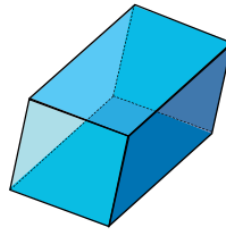
2



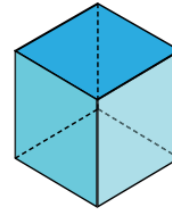
3



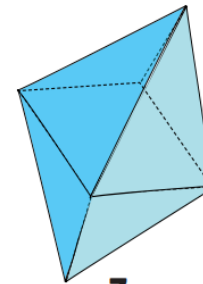
4



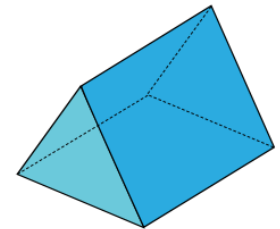
5



6



7



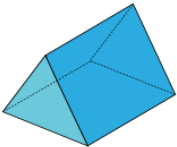
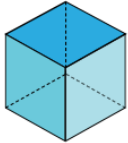
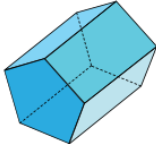
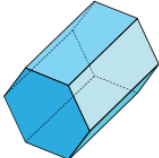
8

| | Has a curved face | Does not have a curved face |
|---------------------------------|-------------------|-----------------------------|
| Has a triangular face | | |
| Does not have a triangular face | | |

Faces, vertices and edges

Sheet 1

Fill in the missing information.

| Shape | Shape of end face | Number of sides of end face | Number of faces | Number of vertices | Number of edges |
|--|-------------------|-----------------------------|-----------------|--------------------|-----------------|
|  | Triangle | 3 | 5 | | 9 |
|  | | 4 | | 8 | 12 |
|  | Pentagon | | 7 | | 15 |
|  | | 6 | | 12 | 18 |

What do you notice about the number of sides of the end face and the number of vertices?
Can you see any other patterns?

Challenge

What do you predict for the number of faces, vertices and edges of an **octagonal** prism?