

3D Shapes Menu Task 2:

Build as *few* 3D shapes as possible to satisfy each constraint at least once.

Include diagrams that make your thinking visual.

| | | | |
|----|---------------------------------------|----|-----------------------------|
| A. | Has an odd number of vertices | B. | Has two possible bases |
| C. | Has one possible base | D. | Has an even number of edges |
| E. | Contains at least one triangular face | F. | Has 4 or more faces |

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3, or 4 3D shapes?

Describe how and why you built each 3D shape.

Be sure to identify which 3D shapes satisfy which constraints.

