

Mathematics

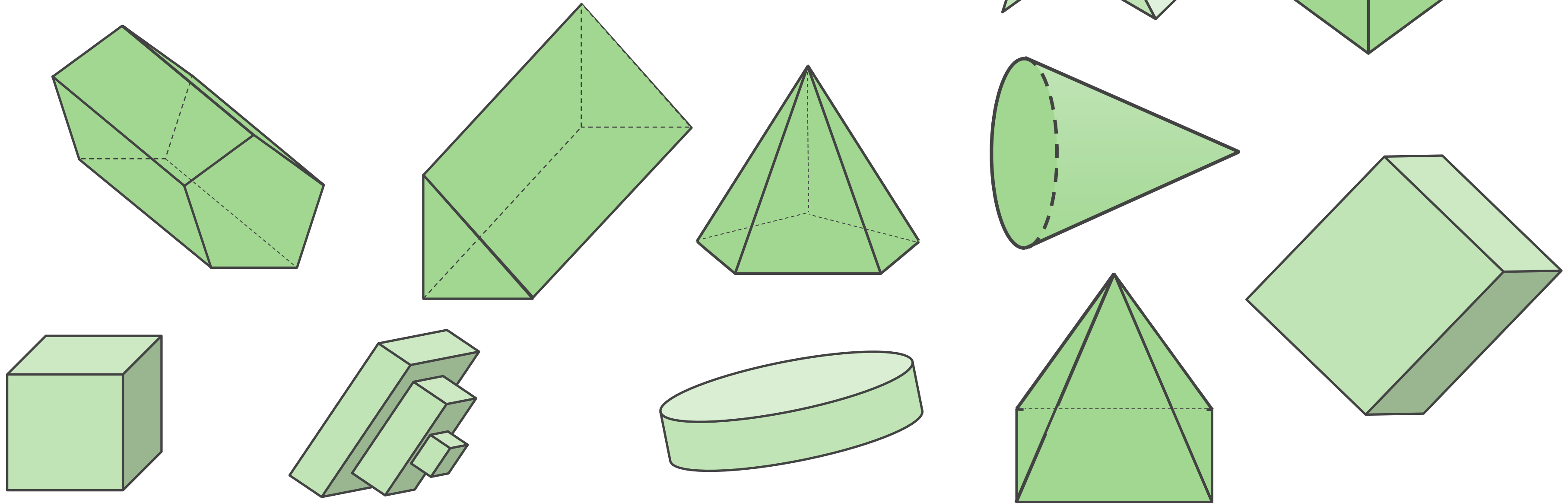
Downloadable Resource - 3-D Shapes

Mrs Buckmire



Try this

Sort these 3-D shapes into groups of your choice.
What criteria have you used to group them?

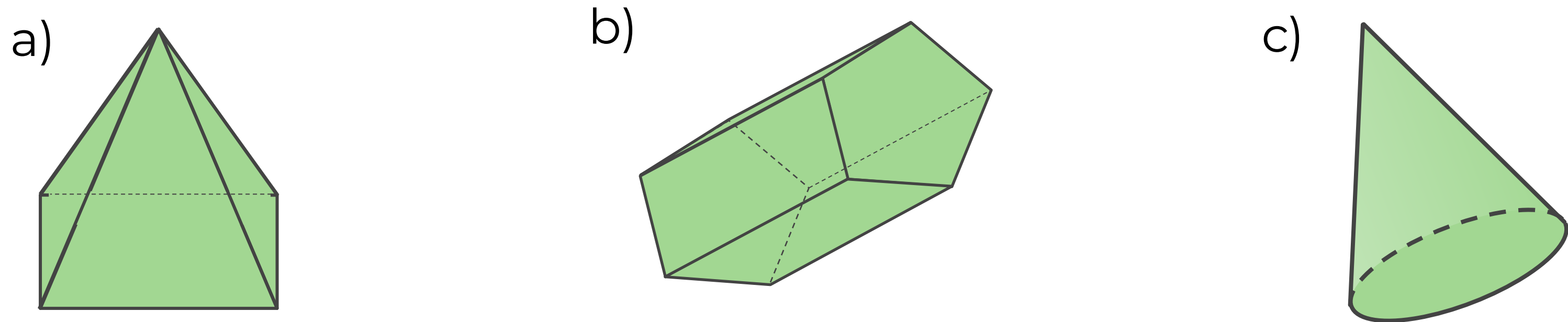


Return to the video once completed



Independent task

1. For each 3D shape write down how many faces, edges and vertices it has.



2. Spot the mistake in the table. Try to explain what you think they did wrong.

3D Shape	No. of Faces	No. of Edges	No. of Vertices
Cuboid	12	6	8
Square-Based Pyramid	5	4	5
Triangular Prism	9	6	6

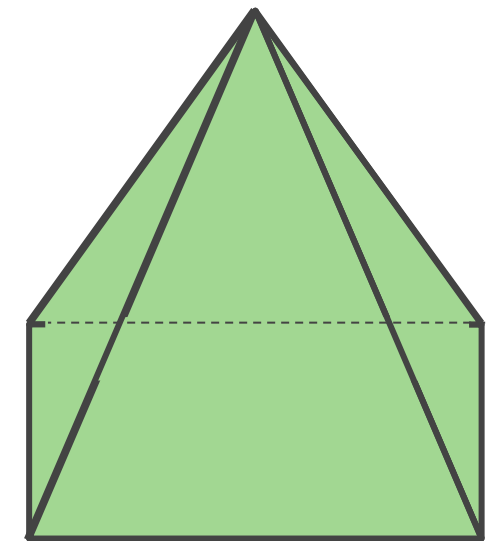
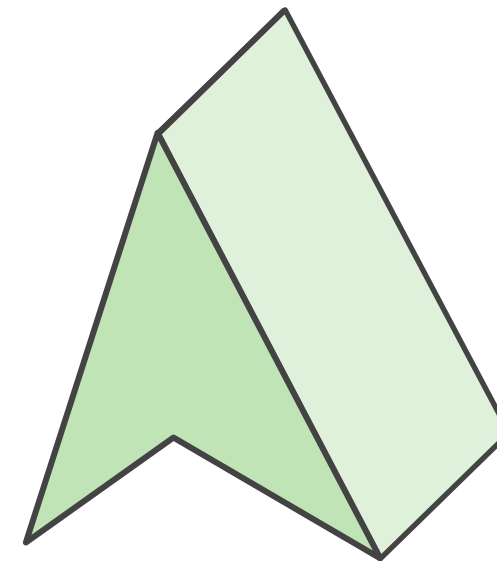
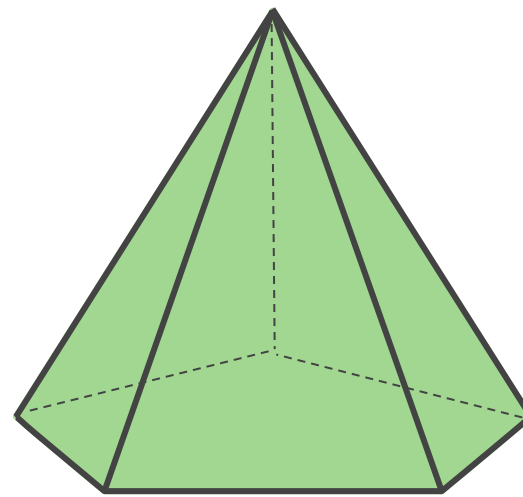
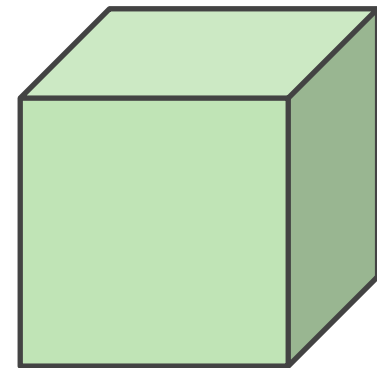
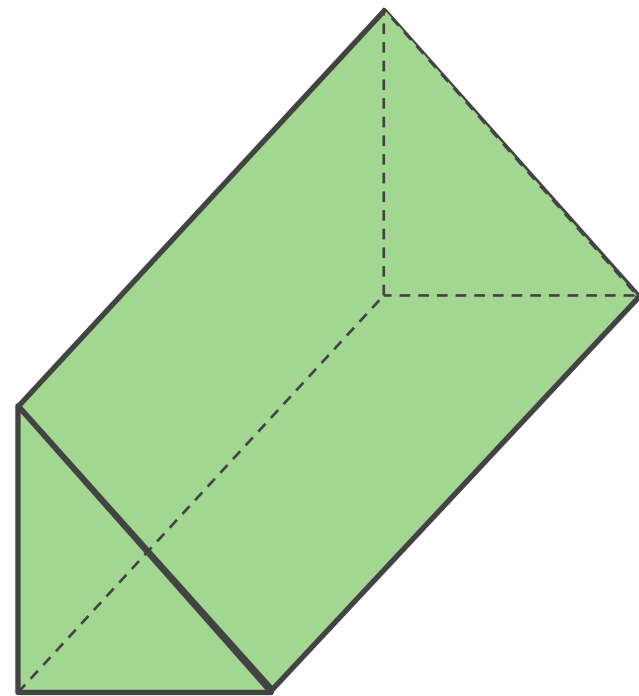
Return to the video once completed to check your answers



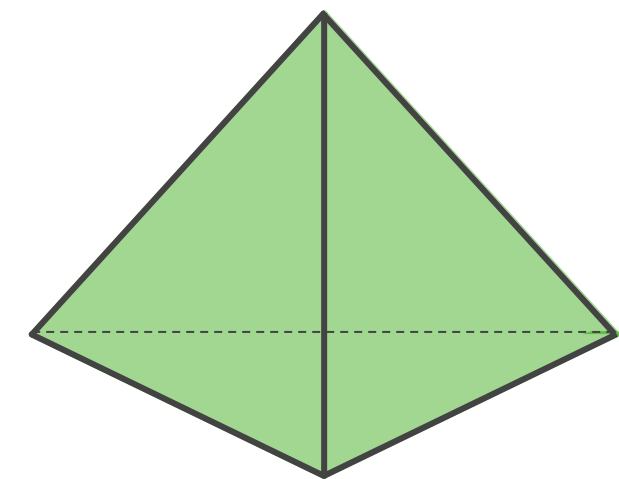
Explore

Compare the faces, edges and vertices of these shapes.

What's the same and what's different?



Challenge: Can you think of another 3D shape with the same number of faces as this one?



Return to the video once completed for feedback

