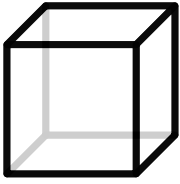
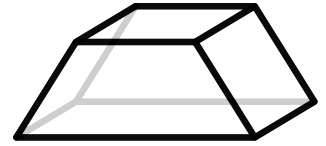


The type of a polyhedron



In mathematics, polyhedra are sorted by their f -vectors. There may be different polyhedra with the same f -vector. If two polyhedra have the same f -vector and the same graph then they are of the same TYPE.

The two 'dice' are of the same type. On the left is the typical geometric cube, on the right is a cube-type polyhedron.



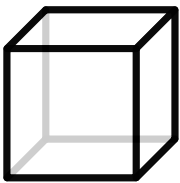
Exercises

1. Search among your classmates for those whose polyhedra have the same f -vector and form a group.
2. Compare the graphs of your polyhedra. Which polyhedra are of the same type? Put the names of the polyhedra on your polyhedron's profile.

Hint: Because the same graphs can look different, depending on how they are drawn, compare what shape the faces of the polyhedra are, how many of each shape, or how many edges meet at each vertex.

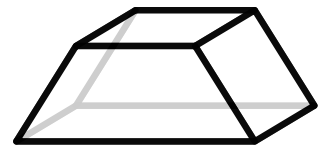


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