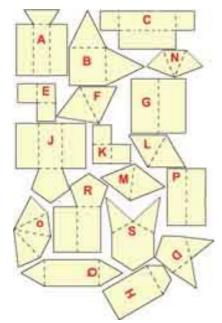
3D - Cut Nets Investigation - Polyhedra



- 1. Cut out all the pieces from the other sheet.
- 2. The broken lines are FOLD lines, do not cut them.
- 3. Sort the pieces and find 9 pairs that go together to make the nets of 9 polyhedra.
- 4. Carefully fold the pieces on the broken lines.
- 5. Make your 9 polyhedra with your partner using sticky tape to fix the edges together where they meet.
- 6. Decide on the name of each polyhedron and write the name in the table below.
- 7. Count the number of FACES, EDGES and VERTICES of each polyhedron and fill in the table.
- 8. Add the number of faces and the number of edges and write this in the last column of your table.
- 9. Can you spot a pattern or rule?
- 10. Does the same rule apply to other polyhedra?

Pieces	Name of polyhedron	Number of faces F	Number of edges E	Number of vertices V	F + V
EK					