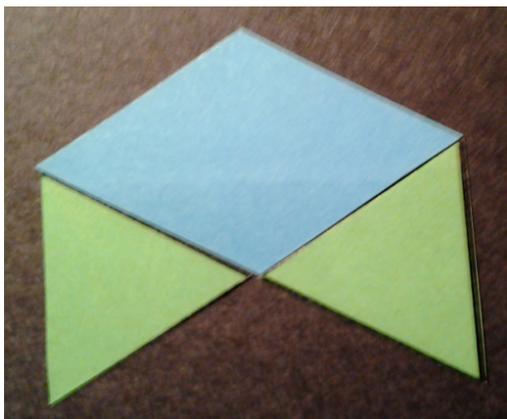


## Pattern block hexagons: Student worksheet

<http://topdrawer.aamt.edu.au/Geometric-reasoning/Misunderstandings/Classifying-polygons/Pattern-block-hexagons>

In this diagram a rhombus and two triangles have been used to make a hexagon.



Use the pattern blocks in different ways to make as many different hexagons as you can. Draw them or take photos of them.

When you run out of ideas, there are some suggestions over the page.



**Try these combinations:**

- 2 trapeziums (there are at least 4 different ways to do this)
- 3 blue rhombuses
- 6 trapeziums and 1 hexagon
- 2 triangles
- 2 triangles, 4 blue rhombuses and 2 trapeziums
- 1 hexagon, 6 triangles and 6 blue rhombuses
- 2 squares, 2 triangles and 1 trapezium
- 3 blue rhombuses and 4 triangles
- 7 hexagons and 6 blue rhombuses
- 1 trapezium, 1 square and 2 tan rhombuses
- 2 tan rhombuses and 2 triangles
- 2 tan rhombuses and 3 triangles
- 4 tan rhombuses and 3 triangles