

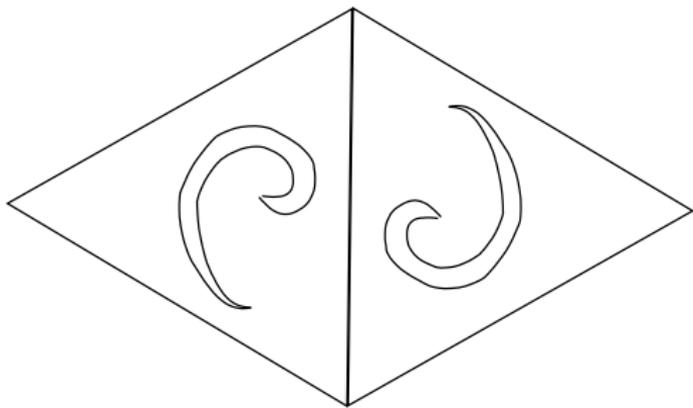
Definitions, page 55 & 56

Given an object O in the plane, a **symmetry of the object** O is a symmetry of the plane that rearranges the points of O within the points of O .

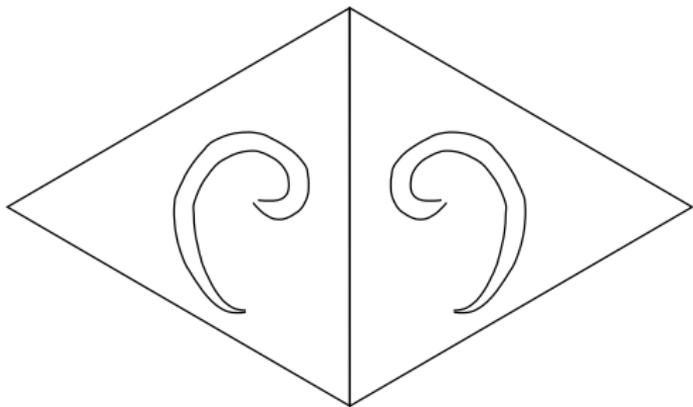
(We can think of this as a symmetry under which the object 'looks' the same)

The set of all symmetries of an object is called the **group of symmetries** of the object.

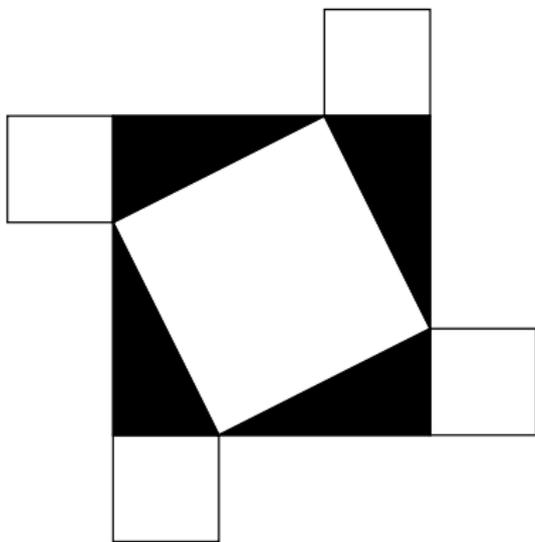
Find the group of symmetries of the following object



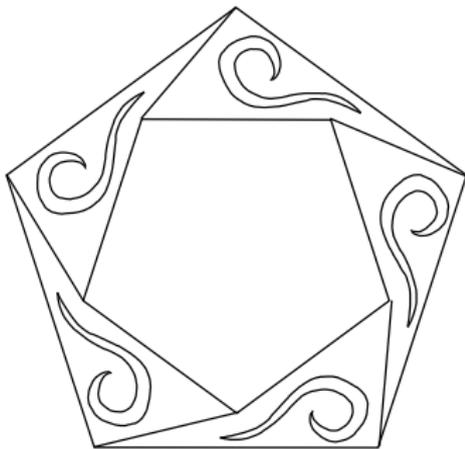
Find the group of symmetries of the following object



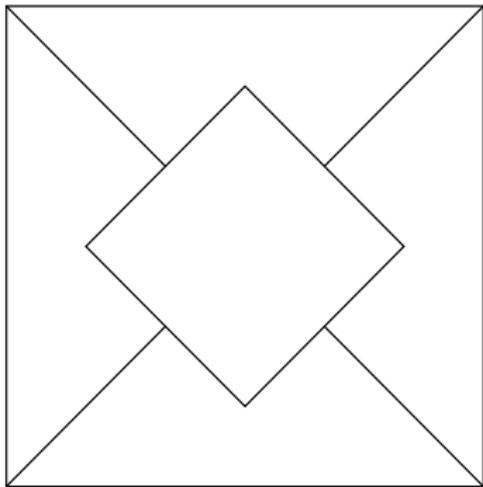
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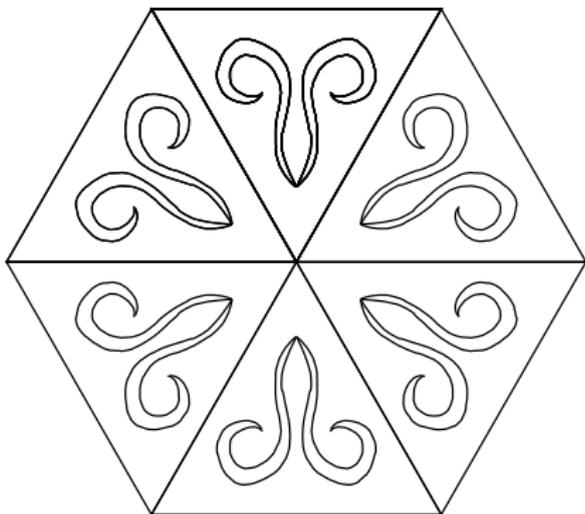
Find the group of symmetries of the following object



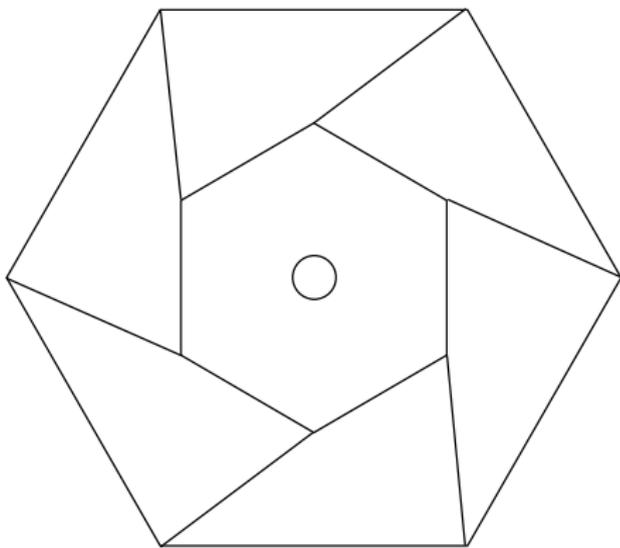
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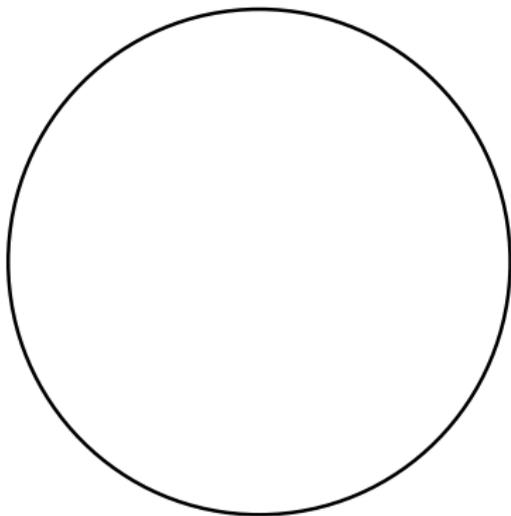
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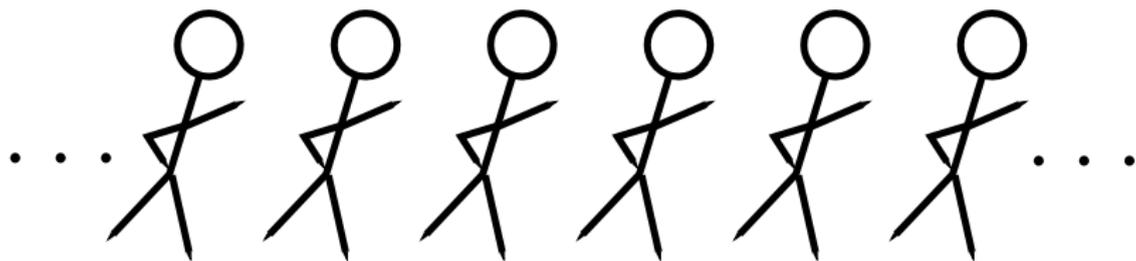
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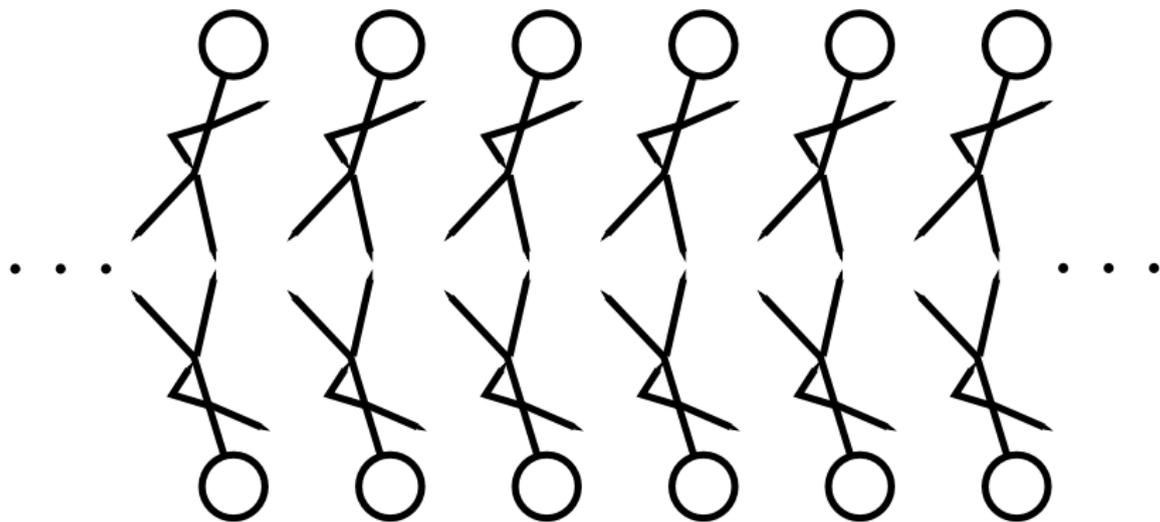
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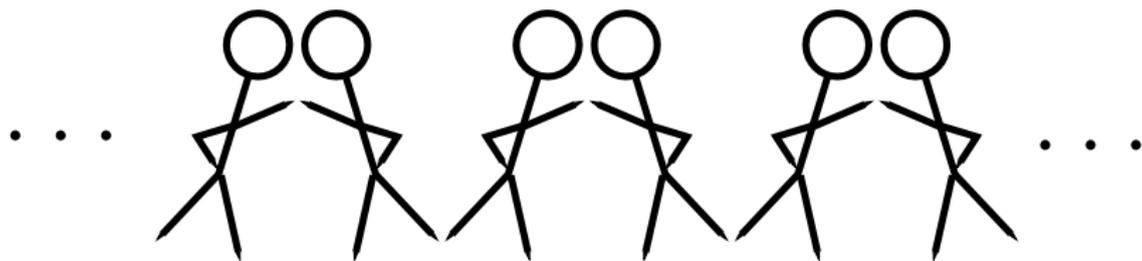
Frieze Patterns



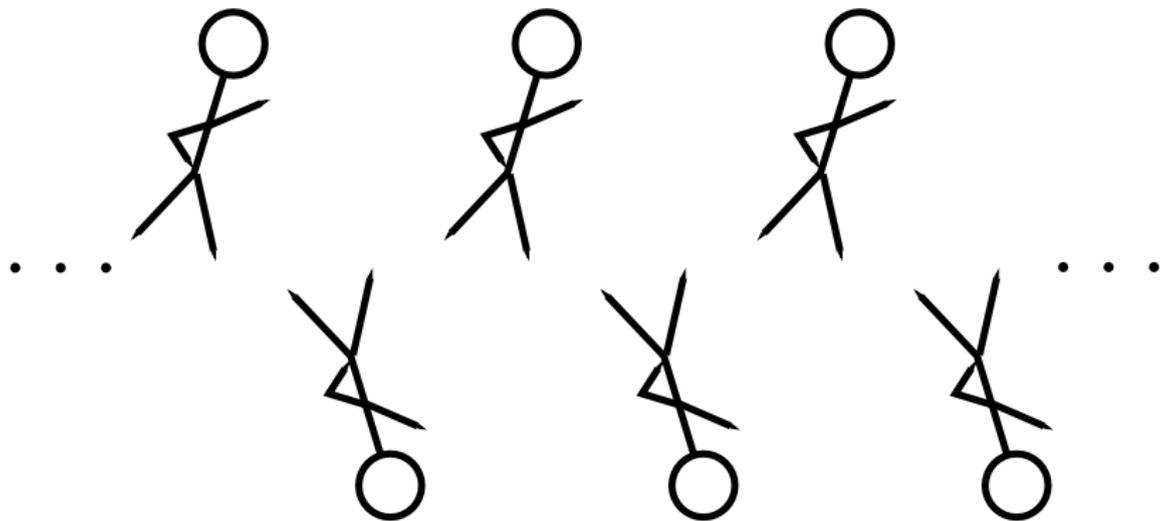
Frieze Patterns



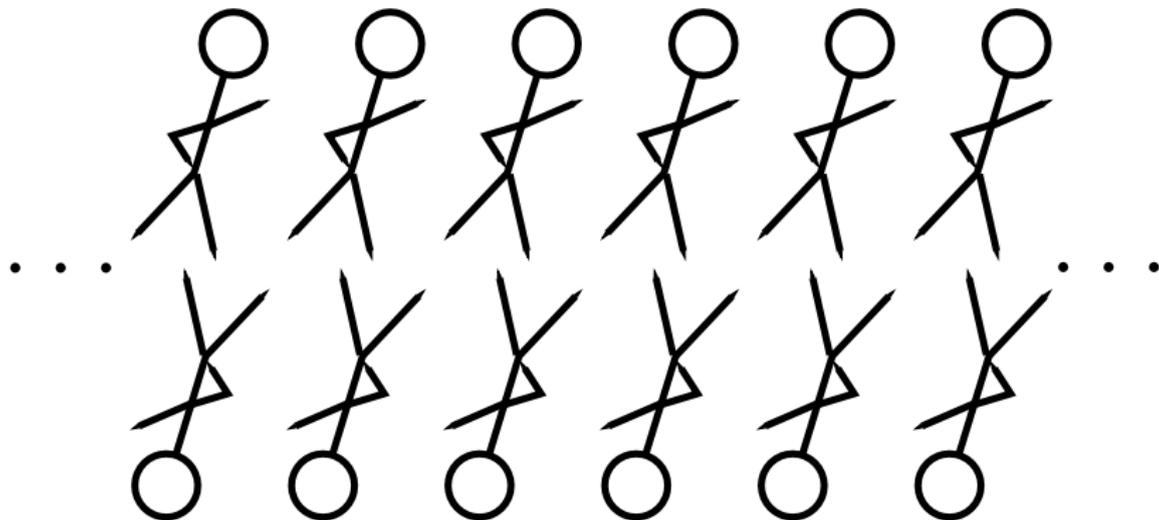
Frieze Patterns



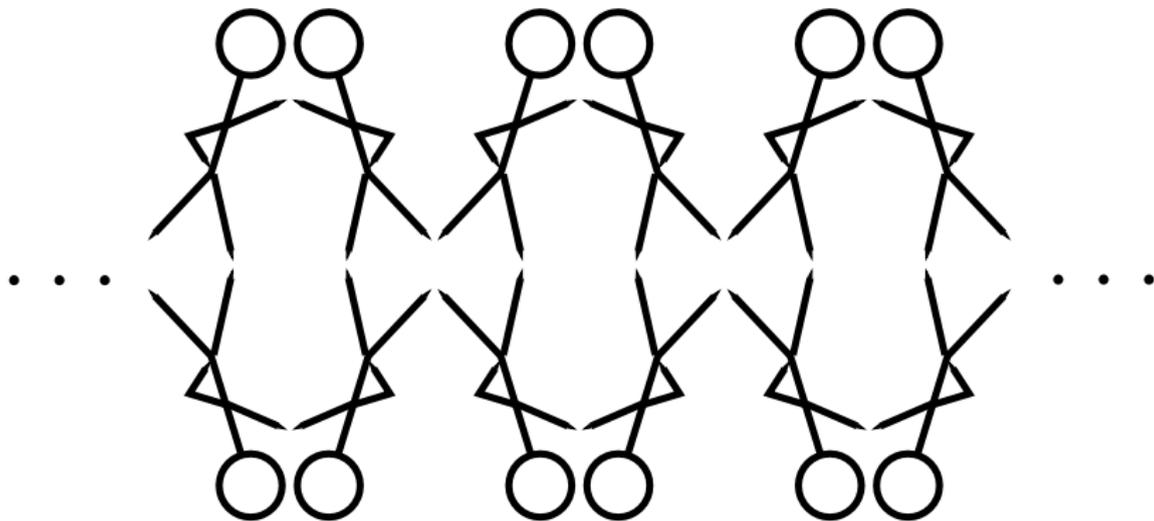
Frieze Patterns



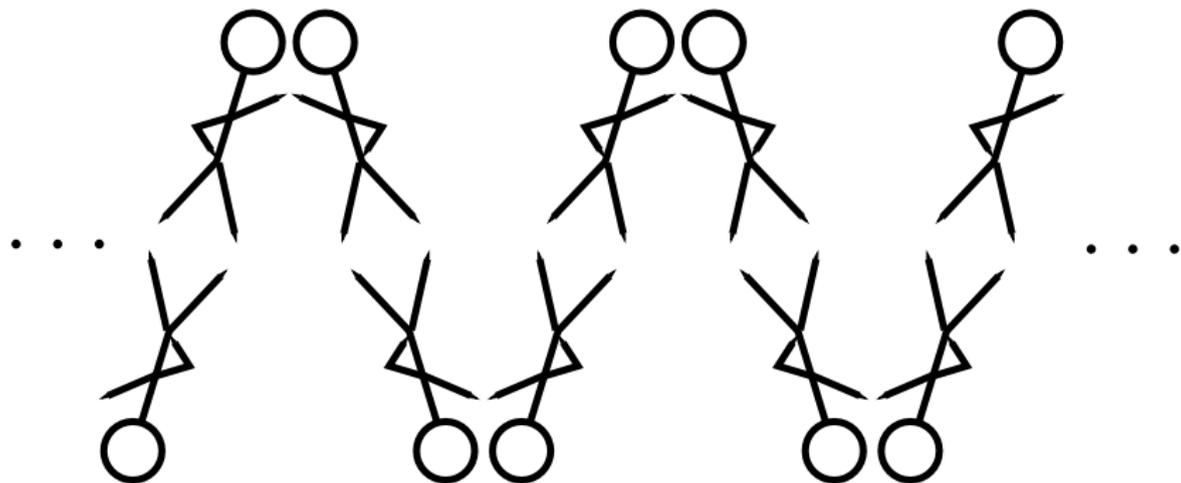
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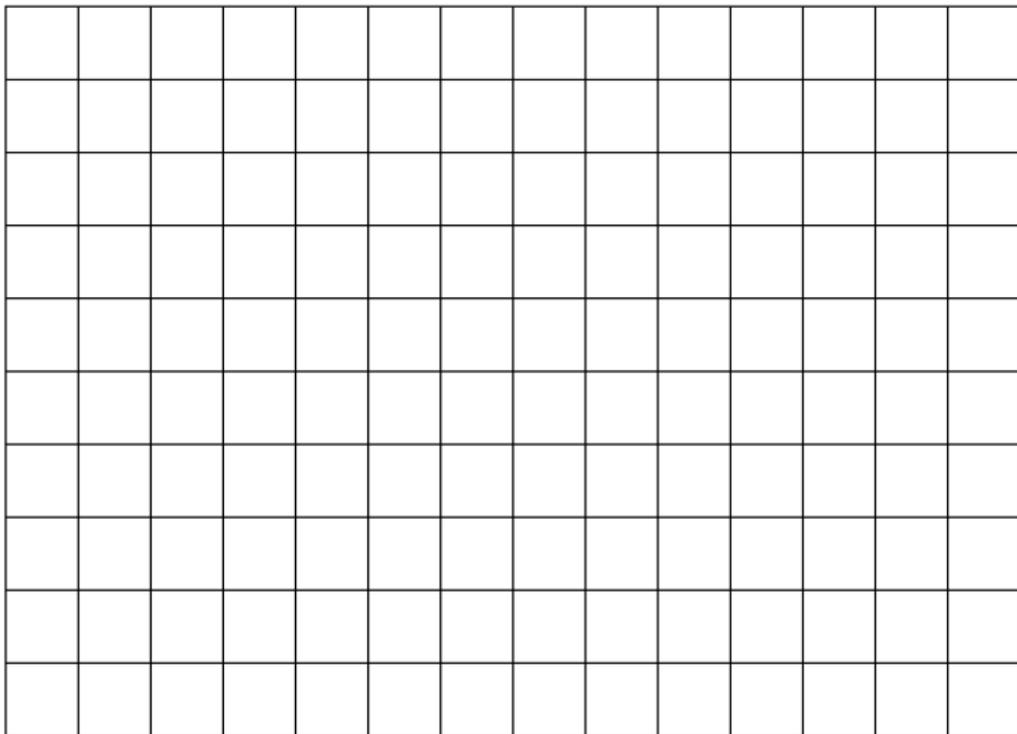
Frieze Patterns



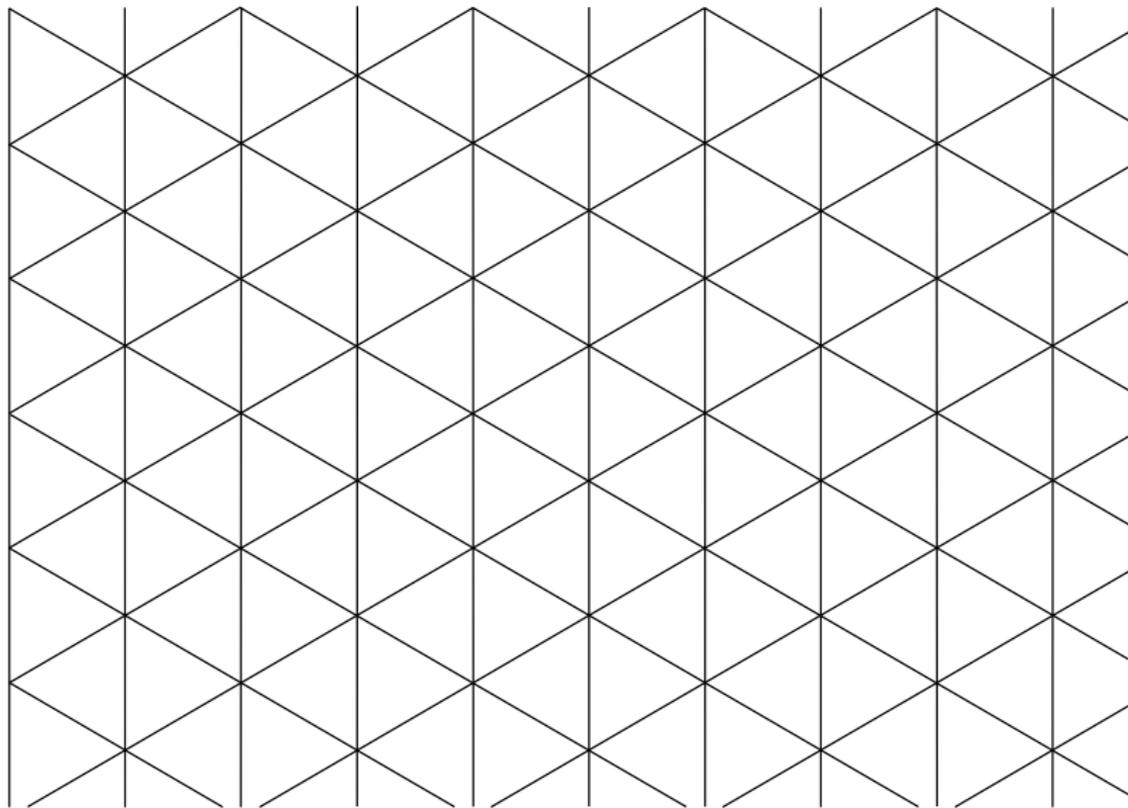
Frieze Patterns



Wallpaper Groups



Wallpaper Groups



Wallpaper Groups

